

# THE BULLETIN

NOVEMBER 1, 1993 ~ 47TH YEAR ~ NUMBER 7

## City Pledges \$1 Million

TORONTO CITY COUNCIL has given final approval to a pledge of \$1 million towards construction of the new Faculty of Management building.

At the Oct. 15 meeting of the council, members voted 10-5 in support of the grant. The University will receive \$150,000 in this calendar year and the same amount the next. A further \$300,000 will be provided by the city in 1995 and \$400,000 in 1996.

President Robert Prichard told Governing Council Oct. 28 that this commitment of funds represents the first capital gift the University has received from the city in many years. "It's really a sign of the improvement in our relationship with the city," he said. "This is a tangible expression of our sense of partnership together and I'm very encouraged by it."

Funding for the new Joseph L. Rotman Building is coming from a variety of sources. The provincial government has provided a \$17 million grant while Toronto businessman Joseph Rotman has donated \$3 million. The Canadian Imperial Bank of Commerce and Xerox Canada Ltd. have each pledged \$1 million. Money from Breakthrough and a fundraising drive planned by the management faculty will account for the remaining \$1.7 million.

The 110,000 square-foot facility will be located on St. George St. between Bloor St. and Hoskin Ave.

## A New Chapter



Roberts Library has a new look — and a new entrance on its first floor. The ground-level entrance on St. George St. with its new lobby, online catalogue terminals, book return bins and check-out desks will improve access, particularly

for people with physical disabilities. The Students' Administrative Council provided a \$390,000 grant for the renovations from its wheelchair access fund. The official opening was held Oct. 27.

ANDRÉ SOROUJON

## North American Scholars Collaborate

BY DAVID TODD

U OF T HAS JOINED THE DRIVE for greater academic cooperation among universities in Canada, the US and Mexico. In the months ahead the University will combine forces with sister institutions in all three countries on a collaborative project dealing with issues of economic growth and the environment.

The venture will be funded by a three-year \$100,000 grant from the US Information Agency — one of

four such grants awarded this fall under a new program designed to support trilateral educational exchanges. The other institutions taking part are McGill University, the University of British Columbia, the University of California at Santa Barbara and the Universidad Nacional Autonoma de Mexico.

Maria Cioni, director of the Institute for International Programs, said the purpose of the project is to establish a mechanism to bring together scholars from the three coun-

tries who share an interest in links between economic development and protection of the environment. The issue is complex because growth, while crucial to the fate of developing countries, can also lead to increased pollution levels. But at the same time many environmental problems, such as the decimation of the rain forests, can be linked to economic stagnation in the developing world.

The grant from the agency will help make possible a series of meet-

ings and conferences at which academics will begin developing proposals for joint research undertakings. These proposals, ultimately, will be submitted to government agencies in Canada and the US for funding. Consideration will also be given to ways of promoting greater exchange among graduate and post-graduate students and to the development of models of curricula dealing with regional economic and

~ See NORTH: Page 2 ~

## OF VANISHING ACTS

HOW DOES THAT LINE ABOUT the best-laid plans go, again? As President Robert Prichard confessed at Governing Council Oct. 28, U of T didn't quite plan for all eventualities when it made its election preparations. During the summer, he and Council chair Annamarie Castrilli made a point of meeting to discuss university issues with the individuals they thought would be Canada's national political leaders: Jean Chrétien and Kim Campbell. One out of two isn't bad, but in retrospect, Prichard conceded, there were others who perhaps should have been invited to visit.

Still, those meetings represented a valuable exercise — not least as strategic photo opportunities. As of Oct. 26, Prichard told Council,

Castrilli's office was "properly equipped with a proud picture of her and Mr. Chrétien." There were photographs with Ms Campbell too, of course. These may be of interest someday — to historians, archaeologists or dealers in curiosities.

On another note, MP Bill Graham can now call himself the man who made Doug Henning disappear. Henning, a celebrated magician, ran for the Natural Law party in Rosedale and received 817 votes. He didn't outnumber Graham but at least the election campaign gave him a chance to demonstrate a natural law. The yogie "flyers" Henning brought to Hart House Oct. 21 didn't fly at all, they bounced. No one fools around with the laws of gravity.

## Professor Wins Federal Election

BY KARINA DAHLIN

PROFESSOR BILL GRAHAM OF the Faculty of Law is taking a five-year leave of absence so he can serve in Ottawa as the member of Parliament for Rosedale. The riding includes Victoria and St. Michael's Colleges as well as six teaching hospitals, Ryerson Polytechnical University and George Brown College.

Graham, 54, won by a large majority Oct. 25. He received 25,726 votes in the election, almost 15,000 more than David McDonald (PC), Rosedale's incumbent. Although elected for the first time and a member of a sizeable caucus, Graham does not assume that life on Parliament Hill will be easy. The regional parties will make it a fractious place and the

large number of new MPs have much to learn, he said in an interview Oct. 27. He does not expect to be appointed to the cabinet, nor does he particularly wish to be. "I think it's far better to go in and learn the ropes first."

In Ottawa he will join other academics, among them Professors John English (Kitchener) of history at the University of Waterloo and Anne McLellan (Edmonton Northwest) of law at the University of Alberta. (McLellan's three-vote lead is being contested.) Graham is pleased that other MPs have a background in universities. "I think it's good for Parliament and I think it's good for the university community."

The Liberal party also captured the other U of T ridings. In Trinity-Spadina voters elected 36-year-old

Tony Ianno who runs a high-tech management company and is involved in his family's roofing business. Ianno entered U of T in 1966, left and returned to complete a BSc from St. Michael's College in 1987. Derek Lee, a 45-year-old lawyer, won the riding of Scarborough-Rouge River for the second time. He was co-founder of Scarborough College's Liberal Club in 1968 and received a BA in 1970. Residents in Mississauga South, where Erindale College is located, elected Paul Szabo, a 45-year-old chartered accountant.

Graham became involved in politics in 1984. A professor of international trade and international law, he saw that many of the problems facing Canada are of global nature. "I didn't

~ See PROFESSOR: Page 2 ~





## Castrilli wins Italian service award

ANNAMARIE CASTRILLI, CHAIR OF GOVERNING COUNCIL, HAS BECOME the first woman ever to receive the distinguished service award Ordine al Merito from the Toronto district of the National Congress of Italian Canadians. The award has been presented annually since 1988 to honour individuals who have made outstanding contributions both to the Italian Canadian community and to Canadian society as a whole. Castrilli, a lawyer who holds a doctorate in Italian literature and 20th-century drama from U of T, was national president of the congress from 1988 to 1990 and is a co-founder of the Italian Canadian Women's Alliance. She is currently chair of the Canadian Centre for Italian Culture & Education and has served on the premier's advisory group on the constitution. The presentation of the award will be made Nov. 5 at a dinner in Concord, Ontario.

## Two receive medical awards

PROFESSORS PETER ST. GEORGE-HYSLOP OF THE CENTRE FOR RESEARCH in Neurodegenerative Diseases and the Department of Medicine and Richard Reznick of the Department of Surgery and the Centre for Studies in Medical Education have earned the 1993 medals in medicine and surgery from the Royal College of Physicians & Surgeons of Canada. These awards are presented annually to recognize original work by clinicians and investigators under the age of 40. St. George-Hyslop, a molecular geneticist, leads a team that has been using recombinant DNA technology to pinpoint potential genetic risk factors for Alzheimer's disease. He is being honoured for his efforts to isolate a defective gene on chromosome 14 that may play a role in familial Alzheimer's. Reznick, a colorectal surgeon, headed a project that led to the adoption throughout Canada of a new method for testing aspiring physicians. Medical students seeking a licence to practise must demonstrate their skill at taking histories and performing physicals by working with actors who portray patients.

## Clinical sciences institute opens

THE INSTITUTE FOR CLINICAL EVALUATIVE SCIENCES IN ONTARIO, headed by Professor David Naylor of the Department of Medicine, held its official opening at Sunnybrook Health Science Centre Oct. 18. Sponsored by the Ministry of Health and the Ontario Medical Association, the research facility was launched in 1992. Its mandate is to examine the way medical care and health services are delivered in the province. Approximately 90 researchers work at the institute, including 11 U of T professors.

## Berger appointed to post at Wellesley

DR. PHILIP BERGER HAS BEEN NAMED CHIEF OF THE FAMILY AND COMMUNITY medicine department at Wellesley Hospital. With this appointment, which takes effect Jan. 1, Berger will also become head of one of the 11 hospital-based divisions in U of T's Department of Family & Community Medicine. His responsibilities on the academic side will include overseeing undergraduate, post-graduate and residency programs as well as departmental research initiatives. Berger, who earned his medical degree at the University of Manitoba and did post-graduate work at U of T, is well known within the local community as an outspoken advocate of human rights. He serves as chair of the Toronto HIV Primary Care Physicians Group and helped found the Canadian Centre for Victims of Torture and the Medical Reform Group of Ontario. Currently an instructor in the Faculty of Medicine, Berger will become an assistant professor when he assumes his new post.

## Repair, maintenance to cost \$2.6 million

MEMBERS OF BUSINESS BOARD HAVE AUTHORIZED THE COMPLETION OF 25 maintenance and repair projects at a cost of \$2.6 million. The board will allocate the funds from a provincial government grant after the approval of Academic Board. Among other projects, the money will pay for the installation of new roofs at the McLennan Physical Laboratories and the Clara Benson and Borden Buildings; replacement of windows at the John P. Roberts Research Library and Sussex Court; renovation of electrical and heating systems at the principal's residence at Scarborough College; and the addition of a secondary boiler at Erindale College's physical plant. Janice Oliver, assistant vice-president (operations and services), told the Oct. 12 meeting that over 1,300 repair and renewal initiatives have been identified. The cost of completing them all would be nearly \$100 million.

# Politically Speaking

When the federal election was called The Bulletin sent a questionnaire to a number of candidates in four ridings where U of T is represented. Their responses were included in an article Oct. 4. Professor Bill Graham of the Faculty of Law was elected in the riding of Rosedale and responded to the survey during an interview after the election.

**BULLETIN:** What are the key issues facing universities?

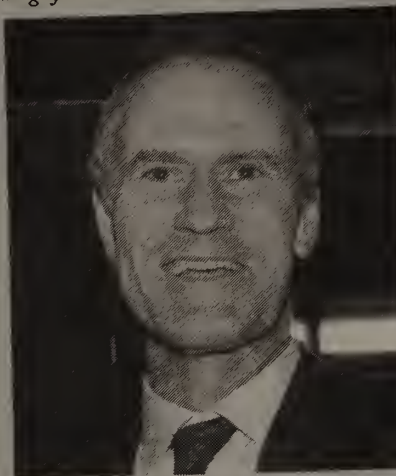
**GRAHAM:** Funding and under-funding. I don't have to be [President] Rob Prichard to tell you that. Universities have to face the fact that in order to get the research funds we need, we have to operate more efficiently and collaborate with industry.

**BULLETIN:** What should the federal government do to address these issues?

**GRAHAM:** We can't guarantee an increase in transfer payments immediately, but we are going to try to make sure universities get a five-year commitment so they can plan their priorities.

**BULLETIN:** Should university researchers receive more federal funding?

**GRAHAM:** Yes.



**BULLETIN:** Where does university funding stand on your list of priorities?

**GRAHAM:** Very high. The level of funding for research in Canada is far too low. One of our priorities will be to encourage more research and development. That will obviously have a business component to it but also a university component. We keep talking about Canada being a knowledge-based society in the future — if that is true, universities are going to play a big role. I will be pushing for a recognition of the role universities play. We are also concerned about increasing tuition fees so we will have to look at the issue of universal accessibility.

**BULLETIN:** How do you rate the job universities are doing?

**GRAHAM:** If you listen to what our peers in North America say, we're doing a pretty good job. But there is

a problem of perceived elitism. Canadians have to recognize that there is a place for centres of excellence and U of T is obviously one of them. The trouble is that in times of shortage of funds, some say that everybody has an equal right to funding. If our country is going to be able to succeed in a world that's becoming more and more competitive, I think we are going to have to select priorities that enable world-class institutions to develop.

# North American Scholars Collaborate

~ Continued from Page 1 ~

environmental issues, which might be used by universities or even secondary schools.

"What we really need is to get people together," said Cioni. "There has to be more work done to develop a perspective on Canada, the US and Mexico as a region." Understanding the distinct cultural identities of the nations will form an essential part of any research effort, she added, because social and cultural factors invariably shape the approach that each country adopts on questions of economics, trade and the environment.

Professor Albert Berry of the Department of Economics, an expert in such areas as labour market income, small enterprise and agriculture in developing countries, is

the project director for U of T. His counterparts from Mexico and Santa Barbara will visit the University early this month to talk to scholars interested in participating in the project.

Within the last two years, as the governments of Canada, the US and Mexico have moved towards passage of the North American Free Trade Agreement, educators have begun pointing out a need for closer ties among institutions of higher learning in the three countries. At the moment only a handful of North American universities have programs that involve such connections.

The US Information Agency established its trilateral educational grants in the hope of offering a gentle nudge in this direction. The money is intended to fund faculty and staff exchanges among institu-

tions and to foster collaborative research in such areas as comparative education, international trade, economics, environmental studies and the humanities.

Higher-education officials from the three countries met last fall in Wisconsin and again this past September in Vancouver to discuss ways of increasing trilateral academic cooperation. The communiqué from the recent Vancouver symposium emphasized the need for the countries to become more than simply trading partners and called for "a new vision of sharing knowledge across traditional boundaries." Among the recommendations made was the establishment of a trilateral council to promote continued cooperation on research, development and training.

# Professor Wins Federal Election

~ Continued from Page 1 ~

think there was enough focus on communications, the environment and other issues that have an international dimension," he said. Paying his dues as a candidate in 1984 and 1988, knocking on doors, attending meetings and listening to the concerns of voters, Graham also learned something about local issues. He knows now that there are serious social problems in his riding and said the federal government must pay more attention to the quality of life in Toronto.

He looks forward to contributing to parliamentary work on international issues and matters involving Quebec. Fluent in French, he was a visiting professor at McGill University in 1985 and at the University of Montreal in 1986 and 1987. In addition to his BA from Trinity College (1961) and his LLB from U of T (1964), he holds a

doctorate from the Université de Paris. In recognition of his work for the Alliance Française he was awarded the distinguished chevalier de la Légion d'Honneur de la France in 1985.

Graham practised law from 1967 to 1980 as a partner with the firm Fasken & Calvin. He joined U of T as a professor in 1980 and served as director of the Centre of International Studies from 1986 to 1988.

UNIVERSITY OF TORONTO

## THE BULLETIN

EDITOR: Jane Stirling • ASSOCIATE EDITOR: Karina Dahlin • WRITERS: David Todd • Suzanne Soto • EDITORIAL ASSISTANT: Ailsa Ferguson • PRODUCTION: Caz Zvyatkauskas, Joshua Lau • ADVERTISING MANAGER: Marion Thompson • ADVERTISING ASSISTANT: Nancy Bush • DIRECTOR: Tony Carlson



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Published every two weeks by the Department of Public Affairs, 21 King's College Circle, 2nd floor, University of Toronto, Toronto, M5S 1A1.

EDITORIAL ENQUIRIES: 978-6981 • DISTRIBUTION ENQUIRIES: 978-4933 • ADVERTISING ENQUIRIES: 978-4933 • Display advertising space must be reserved two weeks before publication date. FAX: 978-7430.



# U of T Moves to Ease Job Losses

BY SUZANNE SOTO

U OF T IS HIRING A CAREER counsellor to help released staff cope with losing their jobs and find new positions.

The counsellor, to operate from a new employment resource centre, will be available to talk to staff about work-related matters and provide a full range of services. These include helping people obtain additional training and conducting seminars on résumé writing and preparing for job interviews. University officials are currently looking for a location for the centre.

Hiring a counsellor and establishing a resource centre are two of several proposals contained in a report of the committee on relocation, re-training and counselling of released staff. It has been approved by a joint administration-staff working group and by Professor Michael Finlayson, vice-president (human resources).

Finlayson called the report a "progressive package" and said the administration is in the process of implementing it. When combined with the efforts of other committees, such

as the group charged with reviewing the hiring of external job candidates, the initiatives greatly increase the chances of those who want to remain at the University, he noted.

Judith Eichmanis, the U of T Staff Association's vice-president (salary and benefits), also praised the steps U of T is taking. "This will certainly help staff morale and not just those people on release but those who could be on release at any moment to feel better about the future."

The report is a direct result of the social contract talks. In those discussions the University agreed to spend \$300,000 a year over the next three years for staff counselling and training. It also established the relocation committee, composed of two members of the Human Resources Department and two UTSA representatives.

The committee's recommendations are based on the assumption that in 1993-94, budget cuts and reorganizations could result in the release of approximately 100 non-unionized staff.

The report notes the cost of assisting individuals will be between

\$282,000 and \$362,000 a year. Of that, about \$225,000 will pay for the counsellor and the centre, a facility that will have computers, telephones, training videos and other materials to assist job hunters.

The centre will also offer a career catalogue listing the jobs available at the University and the skills and re-training required; financial counselling for those trying to decide whether to take severance pay or salary continuance; a support group to provide social and emotional support as well as job leads; and a job-shadowing program to allow staff to observe other employees at work and obtain career information.

The committee acknowledges that the costs of its recommendations are "considerable." But it believes the proposals will save the University money in severance payments. For example, in May 1993 about 60 people were on U of T's release list, the report states. Assuming that none was relocated within U of T, severance payments and salary continuance for these workers could have amounted to anywhere between \$1 million and \$1.5 million.

## Female Faculty Salaries Adjusted

AN INTERNAL COMMITTEE THAT reviewed the salaries of female faculty has awarded a total of \$1 million to 196 female professors and librarians earning less than their male colleagues.

The average base adjustment to the women's annual salaries was \$5,156, said David Cook, vice-provost (staff functions) and chair of the female faculty salary review committee. All of the awards were retroactive to July 1, 1989, when the seven-member committee began its work. Salaries were also readjusted to take into account inflation and regular increases. The committee reviewed 360 female faculty and librarians.

Cook said money for the awards was set aside in the University's 1989-90 budget. That amount, however,

was increased to \$1 million in subsequent budgets.

While the awards honour U of T's commitment to pay equity, the adjustments should have been made sooner, Cook said. "The study took us too long," he noted. "On the other hand, by taking longer I think we have done a thorough job of ensuring that people are being paid fairly."

Committee member Professor Rhonda Love of the Department of Behavioural Science, vice-president of grievances for the U of T Faculty Association (UTFA), said the review was a step in the right direction.

"It was a productive process that has put money in the pockets of women professors and librarians but the University still has a lot of work to do." Still outstanding, she said, is the issue of pay equity for female

tutors. U of T should also develop a system of ensuring that salary discrepancies in the professorial ranks "don't surface again."

The review committee was established as part of the 1989 agreement on salary and benefits between the administration and UTFA. Its task was to review the earnings of all female faculty holding appointments of 25 percent or more. The objective was to ensure that female faculty with the same work experience and level of academic accomplishment were paid the same as their male counterparts.

In late 1989 the committee asked the University's male and female faculty members to provide their chairs with updated versions of their curriculum vitae. It also requested information on length of employment in the field. Over 70 percent of professors supplied the information. For those who did not, chairs estimated years of experience based on résumés.

Chairs compared male and female salaries, length of employment and performance based on teaching and research, and recommended a salary adjustment or not, depending on the assessment of the performance of the individual against the peer group.

All salary recommendations were sent to the committee and either confirmed or referred back for more information or deliberation. The group has received only one adjustment appeal — which was unsuccessful — and there have been no grievances filed through the memorandum of agreement. "The fact that there have been no grievances shows that people were left with the feeling that the review was fair, or as fair as one could make it," Cook said.

celebrated works as *Humboldt's Gift*, *Herzog* and *Seize the Day*, he has earned many tributes in the past, among them the National Book Award, the Pulitzer Prize and the 1976 Nobel Prize for literature.

The honorary doctor of laws for Aung San Suu Kyi will be accepted by her husband, Dr. Michael Aris. The secretary-general of the National League for Democracy Party of Burma, Suu Kyi has been living under house arrest since 1989. Her party won a majority in 1990 but the country's military regime has refused to honour the outcome. She was awarded the 1991 Nobel Peace Prize.

Gendreau-Massaloux is considered a leader in the field of higher education in Europe. She will receive an honorary doctor of laws.

## University Honours Four

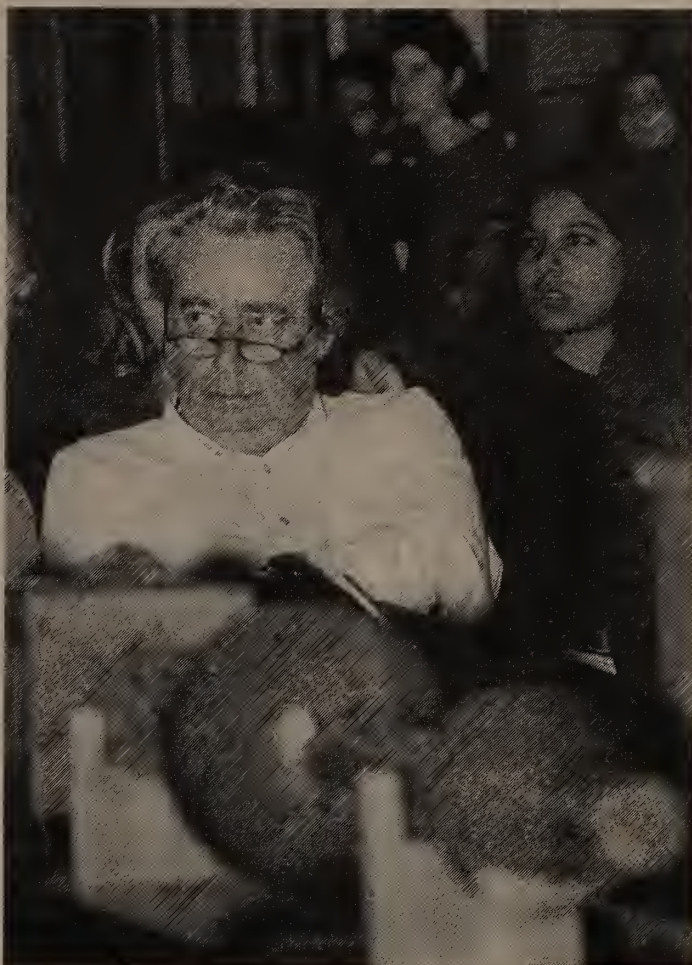
WORLD-RENOWNED CANADIAN ballerina Karen Kain and Nobel Prize-winning novelist Saul Bellow will be among the recipients of honorary degrees at this year's fall convocation ceremonies.

The University will also extend the honour to Nobel laureate Aung San Suu Kyi and Michèle Gendreau-Massaloux, chief executive officer of the University of Paris. Fall convocation will take place Nov. 22-25.

Kain is a principal dancer with the National Ballet of Canada. She made her debut with the company in 1970 and has performed the lead role in more than 30 ballets including *Swan Lake*, *Sleeping Beauty* and *Giselle*. She will be awarded an honorary doctor of laws.

Bellow will receive an honorary doctor of letters. The author of such

## Novel Ideas



JEWEL RANDOLPH

Well-known Canadian novelist and essayist Mordecai Richler listens thoughtfully to a debate on cultural appropriation Oct. 20 at Hart House. Following the debate Richler spoke to about 350 people in the audience.

## South Africa Divestment Reviewed

BY DAVID TODD

THE UNIVERSITY'S DECISION to review its South Africa divestment policy has prompted calls for a study on the broader issue of ethical investment.

The administration has appointed a three-member committee to consider changes to the divestment policy in light of recent political developments in South Africa. This group has been receiving submissions from the University community and is expected to issue a report before the end of November.

The divestment question was a source of bitter debate on campus during the 1980s. Governing Council voted in 1988 to sell the University's shares in companies with holdings in South Africa. Approximately \$1.6 million of the endowment fund was subsequently reinvested elsewhere. This policy did not apply to the University's pension fund which had close to \$20 million invested in firms with South African ties. By February 1990, however, the pension fund had also divested itself of such holdings.

Now that the government of South Africa has moved to end white-dominated rule, African National Congress leader Nelson Mandela has called on the international community to lift all economic sanctions against the country. The federal and provincial governments in Canada have moved quickly to comply. Universities that previously divested are now in the process of rescinding their policies.

In its submission to U of T's review committee, the Ontario Public

Interest Research Group (OPIRG) argues that U of T should take this opportunity to consider the whole range of possibilities in the area of ethical investment. While the sums involved in South Africa were relatively modest, OPIRG contends that divestment served an important symbolic purpose. It also established a precedent for withdrawing University funds from countries with "unacceptable" laws or values. Through its investments, the letter says, U of T could demonstrate support in future for those countries "whose human rights and environmental policies are progressive and reflect the values of our community."

Andrea Calver, coordinator of OPIRG-Toronto, said in an interview that the University carries considerable moral weight and has a responsibility to ensure that when it invests money, it proceeds on a sound ethical basis. At the moment not all of its investments may meet that test.

"This is the money of our community," she said. "It belongs to all of us in some way and it would be nice if people had a degree of confidence about the way it's invested." The weakness of the 1988 divestment policy, she said, was that it dealt solely with the case of South Africa and did not address the institution's overall investment strategy.

The South Africa policy review committee is chaired by Professor Clifford Shearing, director of the Centre of Criminology. He said the three-member committee has not been asked to address the issue of ethical investment and social responsibility.



# Staff Call for Greater Representation on Council

U OF T SHOULD USE THE CURRENT provincial debate on university accountability as an opportunity to increase administrative staff representation on Governing Council, say the two staff members on the 50-seat Council.

Council, however, decided at its Oct. 28 meeting not to suggest such changes to its composition in the University's response to the May 1993 report of the task force on university accountability. The provincial accountability report deals extensively with the structure, function, responsibilities and duties of university governing bodies. U of T's response will be sent to David Cooke, minister of education and training.

Alex Waugh, vice-principal and registrar of Woodsworth College, and Peggy Haist, of the Department of Fine Art, told Council they are disappointed with the low representation of their constituency on Council and its 14-member executive committee. Waugh said that no other campus group has as few Council members, and staff representation on the executive committee is limited to a single seat shared in alternate years by a government appointee and a staff member. "It seems to me that this state of affairs is simply unfair," he said.

Haist said the province's largest university should not be satisfied with a level of administrative staff repre-

sentation deemed by the task force as a minimum for the smallest universities. If adding more staff members to Council requires reopening the 1971 U of T Act and changing the legislation, she said the University should be prepared to do so.



Peggy Haist

Council chair Annamarie Castrilli replied that if the province decides at some point to discuss legislative changes to the U of T Act, she would ensure that the issue of staff representation was brought back to Council.

After the meeting, Waugh said he may consider writing to Cooke to suggest a change in the act. Council secretary Jack Dimond noted all efforts to change Council's composition since 1972 have been unsuccessful

because the matter is complex and somewhat controversial.

Anthony Comper, a government appointee and member of U of T's advisory group examining the accountability report, said the University agrees with many of the report's recommendations but is concerned about others. The provincial task force's definition of accountability is unclear, Comper said. "We argue that accountability must respect both institutional autonomy and academic freedom and this principle must be stated as part of defining accountability."

U of T favours the establishment of a provincial committee to monitor the way universities regulate themselves, he added. However, the University believes such a body should not have the authority to measure universities' success in achieving their missions or to compare institutions. The committee's power should be limited to ascertaining whether individual universities have developed reliable systems of accountability.

The University also does not agree with the suggestion that formal governing bodies scrutinize every aspect of a university's operation and governance. Rather, Comper said, Council should be able to continue to delegate a substantial portion of its monitoring duties to its boards and committees.

# Engineering Attracts More Women

JUST OVER HALF OF ALL FIRST-year chemical engineering students at U of T this fall are women — a 17 percent jump from last year.

At 51 percent, it is the largest proportion of female students ever in an engineering department at the University, said Barbara McCann, registrar of the Faculty of Applied Science & Engineering. Female enrolment in the department has doubled since 1980.

McCann noted that other departments in the faculty also had more female applicants this year and made similar enrolment gains. In first-year industrial engineering, women make up 25 percent of the class while, overall in applied science and engineering, first-year female enrolment is 21 percent, up from 17 percent three years ago.

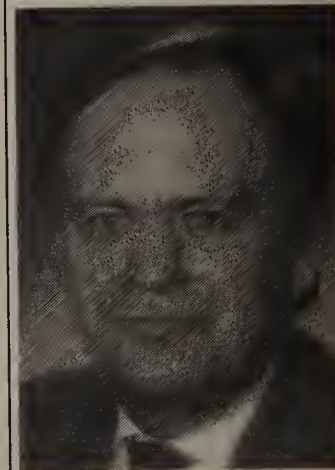
Professor Jim Smith, chair of chemical engineering, said the steady increase of women in engineering in general can be attributed to many factors. One of the main reasons "is that women have begun to realize that the career is not one that for any intrinsic reason is limited just to men." Success in engineering, he added, "depends on intellectual strength and women make excellent engineers."

U of T's own success in attracting more women to its engineering school is due in part to its efforts to make the climate better both for

female students and faculty, Smith said. The faculty regularly organizes panel discussions on issues relating to women in the profession, conducts gender sensitivity workshops and holds annual open houses for women and young girls interested in pursuing an engineering career.

The school also distributes a brochure on women in engineering, runs a mentorship program for female students and has taken steps to make the orientation ceremonies of engineering students less raucous and more productive.

The faculty, Smith said, "has been very proactive in helping students make initiation more useful and helpful instead of degrading."



Jim Smith

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and

Ann Monoyios, Soprano

and

orchestra on original instruments

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8:00 p.m.

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Students/Seniors \$11

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## Taken on Trust

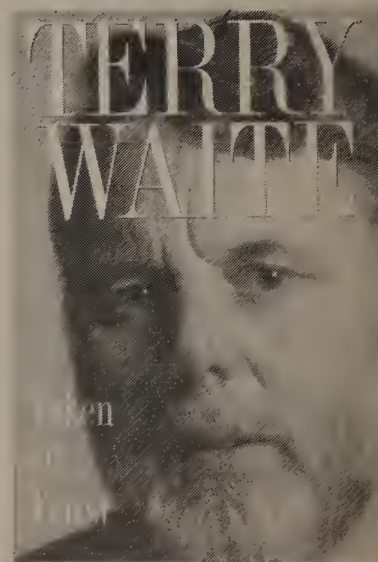
In his prison cell Terry Waite wrote his autobiography in his head. This is it, his own heart-rending account of how he survived for 1,763 days in captivity, almost four years of which were in solitary confinement.

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# Universal Access Discussed at Health Conference

BY SUZANNE SOTO

EDUCATED, WELL-OFF ONTARIANS are more likely to be treated by health specialists; the poor, by general practitioners, U of T researchers have found.

New immigrants also pay more visits to GPs than to specialists, says Professor Vivek Goel of the Department of Preventive Medicine & Biostatistics. And immigrant women who speak neither English nor French are about 30 percent less likely to have regular mammograms and pap smears than women who speak one of the two official languages.

Goel was speaking at a conference Oct. 19 at the Radisson Hotel, organized by the Institute for Clinical Evaluative Sciences at Sunnybrook Health Science Centre.

Goel and Warren McIsaac, a lecturer in the Department of Family & Community Medicine, have spent the past couple of years analyzing results of the 1990 Ontario Health Survey to determine whether universal health care provides all Ontarians with equal access to medical services. The survey polled over 60,000 men and women on issues such as health, lifestyle and use of medical resources.

The researchers discovered a number of differences in the use of services and noted they require further study, particularly those relating to cultural factors. But, Goel emphasized, the

discrepancies are not substantial enough at this point to cause alarm and do not change the fact that most Ontarians enjoy excellent and equitable access to health care.

The researchers found that about 90 percent of respondents had visited a general practitioner at least once during the previous year and about 30 percent had also seen a specialist. Goel said those seen by specialists were not only better educated with higher incomes than those treated by general practitioners but they also made fewer visits to GPs.

"One can only speculate as to why these differences exist," he said in an interview. One possibility may be that people in higher socioeconomic groups simply either ask for or are referred to specialists more often. "Doctors may also be referring them because they are afraid of the possible consequences if the person becomes aware that a health problem has been missed, for example."

Canadian residents without a prescription drug plan are four to five percent less likely to see any doctor, which suggests that the potential for incurring out-of-pocket expenses may deter many of them, Goel said. This finding needs to be explored further, particularly in light of the Ontario government's proposal to introduce user fees to seniors' drug benefit plans.

At another seminar entitled Misconceptions in Health Care Economics, Professor Don Redelmeier of the

Department of Medicine and the Wellesley Hospital Research Institute tackled what he considers a number of health care myths.

One myth, he said, is that Canadian health care costs are lower than those in the US because our hospitals operate more efficiently and our health professionals are more adept at dealing with patients. While

it is true that health care costs are 30 percent lower here, the difference is due to individual lifestyle and behaviour, he said.

Americans are much more likely than Canadians to experience violent trauma, smoke and drink, suffer from AIDS and give birth to low-weight babies — all of which drive up health care costs.

Another misconception, Redelmeier said, is that a one-day stay in an Ontario hospital costs taxpayers about \$2,000. "This number, however, represents charges, not actual cost, and there is a mark-up." He added that the actual cost of accommodation, clinical services, administration of medication and nursing time is closer to \$600 a day.

## Treasures of Indonesia



A display at The Gallery at Scarborough College features tapestries and other items from Indonesia including four shadow puppets, as above, made from the skin or hide of buffalo. The exhibit opened Oct. 22 and runs until Nov. 10.

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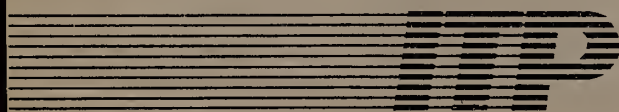
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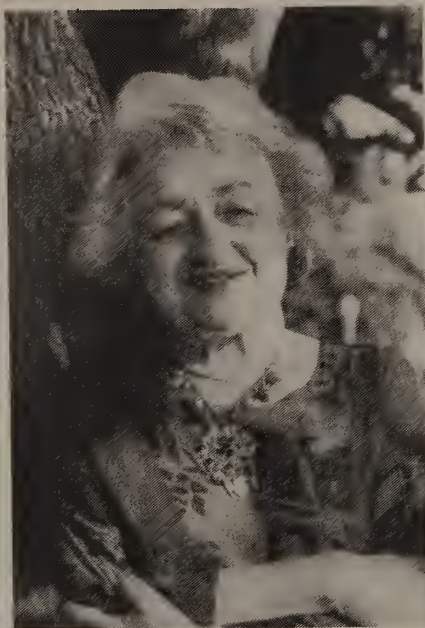
speaking about her new book

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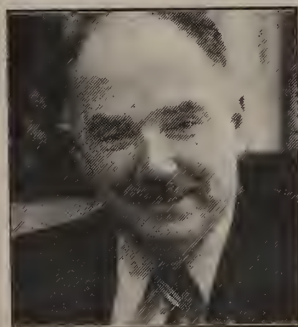
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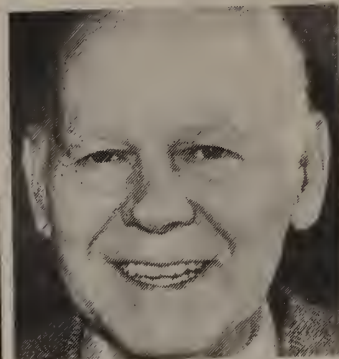
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## IN MEMORIAM

### Drake Was Authority on Galileo



**P**ROFESSOR EMERITUS STILLMAN Drake of the Institute for the History & Philosophy of Science & Technology died Oct. 6 at the age of 82.

Drake was a prolific scholar and earned the reputation as one of the world's leading authorities on Galileo. His achievements include a brilliant reconstruction of Galileo's work on physics, based on painstaking analysis of technically difficult and obscure manuscript notes, says Professor Trevor Levere, director of the institute. "He created a new picture of Galileo as not only a great scientific thinker and observer but also a disciplined and imaginative experimenter."

A native of Berkeley, California, Drake did not follow the usual academic career path. He received a bachelor's degree in 1932 from the University of California at Berkeley and a teaching certificate in mathematics two years later. For the next 33 years he worked as a municipal finance consultant while studying and writing in his spare time. In 1967 he moved to Canada and joined U of T as a professor; in 1979 he became professor emeritus. He received much acclaim for his work including honorary degrees from Berkeley, U of T and the University of Padua in Italy.

His significant collection of books and manuscripts on Galileo and Renaissance science are now the property of the Thomas Fisher Rare Book Library.

Drake had a refreshing perspective of Canada. After receiving his honorary degree from U of T in 1979, he addressed the audience on the need for balanced thinking and the role of humour: "I have not forgotten that when few of us in California dared to speak out, it was a Toronto CBC broadcast that started us laughing at McCarthyism's bogus urgencies. I look to Canada, and especially to Toronto, to continue in the lead against pompous nonsense. At the height of the Spadina Freeway controversy, some Torontonians wrote to *The Globe and Mail* urging that it be completed and then made one-way — out of town. During the mercury-poisoning scare, another reader calculated from scientific safety levels that Lake Erie fish could be safely eaten by persons holding their consumption below 17.5 pounds per day. As a landed immigrant from sunny but lugubrious California, I was delighted by such spoofing; for there nothing can be viewed any more as a laughing matter...."

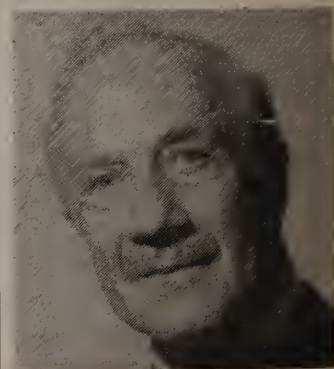
"After I had become accustomed to the Canadian winter, I heard with no little mirth the reply of Robert Stanfield to an official government explanation of high unemployment one year; seasonally adjusted, he said, Canada's weather is hardly different from Florida's. The survival of the spirit of Stephen Leacock may yet revive that of Mark Twain in the United States and that of Gilbert and Sullivan in England, a tonic which our common heritage much needs."

### Tarshis Was Keynesian Economist

**P**ROFESSOR EMERITUS LORIE Tarshis of the Department of Economics, a strong proponent of the theories of Maynard Keynes, died Oct. 4 at the age of 84.

Born in Toronto, Tarshis attended University of Toronto Schools and U of T, graduating with a BComm in 1932. He continued his studies at the University of Cambridge, earning a BA in economics in 1934 and a PhD in 1939. He returned to North America in 1936 to teach at Tufts University in Medford, Massachusetts. In 1946 he accepted a position at Stanford University and remained there until 1971 when he returned to Toronto to head the Division of Social Sciences and teach economics at Scarborough College. Tarshis retired from U of T in 1978 but continued to teach occasionally at Scarborough and on the St. George campus. In 1984-85 he served as chair of the economics department at York University's Glendon College.

Professor Don Moggridge of the Department of Economics describes Tarshis as an "amazingly engaging individual who got along very well with everybody because he was so open to both colleagues and students."



Much of his professional life was shaped during his Cambridge years when he was exposed to Keynes' ideas in a course taught by the famous economist, Moggridge said.

On his return to North America, Tarshis played an important role in spreading Keynesian thought. Tarshis, along with six other economists, was the author of the 1938 book *An Economic Program for American Democracy*, based on Keynesian ideas.

In 1947 Tarshis released his book *The Elements of Economics: An Introduction to the Theory of Price and Employment*. The text was the first unashamedly Keynesian post-war American textbook.



# College Courses to Project Identity

BY KARINA DAHLIN

**H**OW DO FEDERATED COLLEGES maintain their identity and still work hand in hand with U of T? That is one of the questions members of Trinity College are grappling with these days.

The steering committee at Trinity that wrote the report *Developing a Statement of Purpose & Effecting Necessary Change* found that faculty, students and staff are concerned about the lack of a clear academic profile for the college. Students entering Trinity are academic achievers and expect to be challenged intellectually, the report says. "Again and again the steering committee heard that for most students the academic role of the college was minimal or non-existent, since many of those formally enrolled in Trinity take all their courses outside the college where all post-enrolment academic standards are set and monitored."

This is not a new complaint and efforts have been made to address it.

The college has four of its own programs — international relations, immunology, humanities and psycho-analytic thought and ethics, society and law. But these are specialist programs and only provide an academic link with the college for a small proportion of Trinity students, says the report.

The report's recommendation for a mandatory course for all college students is a contentious one, said Professor Derek Allen of the Department of Philosophy who heads the team overseeing the implementation of the recommendations. U of T must approve any credit course offered in its system but the Faculty of Arts & Science does not support the steering committee's idea, Allen said. Nevertheless the report recommends that all colleges sit down with the University to negotiate conditions that would allow them to mount their own mandatory courses.

St. Michael's College is unlikely to follow that path. Principal Joseph Boyle said the issue of required courses

is not a major concern at his college. With its two first-year courses, its programs and its religious tradition, "I'm inclined to think we've got enough focus," Boyle said. "It's clear to me what our general role is within the University. The question is, how do we use the resources, how do we use our brains, to carry out that role?"

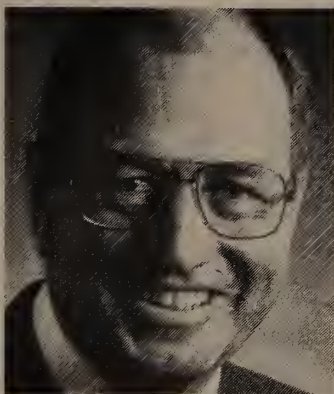
The colleges were founded with undergraduate education in mind, noted Boyle, and it is still their job to help students get off to a good start, to introduce them to the basics of university life, particularly in a setting like U of T. "Colleges are not just a residue of history," he said. "In a school of this size, colleges are made in heaven."

Professor Robert Painter, provost of Trinity, agrees with Boyle. In fact, he said, his college's work to improve the quality of undergraduate education complement the University's mission to be an internationally significant research university with undergraduate programs of excellent quality.

Excellence, for Trinity, includes

academic pursuits as well as special distinction in sports, debating, acting or other extracurricular activities. But a college that wants to launch activities of its own needs money. Painter said Trinity has a supportive group of alumni; if they are willing to underwrite Trinity's aim to strengthen its identity, other colleges may be inspired. "We would like to set a role model that other colleges might want to copy."

Trinity, St. Michael's and Victoria



Robert Painter

Colleges as well as other colleges and departments are currently preparing the first-year seminars that will be offered for the first time by the Faculty of Arts & Science next year. The seminars, open to all incoming students, will not be mandatory. They will be designed to give new students access to faculty members, studying a topic that may have nothing in common with the area they plan to specialize in later. The colleges will be permitted to give some preference to their own students who register for those seminars the colleges finance themselves.

Professor William Callahan, principal of Victoria College, said the idea of core courses, as advocated by Trinity, has been discussed at Victoria in the past but no conclusion has ever been reached. "Now we are trying to make sure that our first-year seminars get off the ground and work successfully." If the seminars are useful and more are launched, they could provide more focus to the college — indeed to all the colleges at U of T, Callahan said.

## Members of Trinity Discuss Future

**W**HEN MEMBERS OF TRINITY College hear the cry "Who are we?" they are supposed to respond, "We are the salt of the earth!" No one takes the cry seriously but people may respond with a bit more vigour if attempts to activate the college spirit are successful.

The work began last year with the appointment of a steering committee headed by Professor Deirdre Vincent of the Department of Germanic Languages & Literatures. After hearing from all sectors of the college, the committee issued a report in May entitled *Developing a Statement of Purpose & Effecting Necessary Change*.

The report offers the following diagnosis of the college: "Trinity's sense of purpose has been eroded, and its community has become increasingly fragmented. Without specific initiatives to restore and rebuild its strength as a distinct, purposeful entity within the context of federation, it risks becoming little more than a residential community on the grounds of the University of Toronto."

The report and its 55 recommendations were approved by the college's governing bodies and a team appointed to oversee the implementation. The team, headed by Professor Derek Allen of the Department of Philosophy, has assigned five working groups to work on five key areas. The groups have started to meet and will report to the implementation team in the spring.

The first group will consider how the college should strengthen its academic role. The steering committee recommends that Trinity "develop a workable detailed proposal for a core college course to be implemented as soon as possible" — a course that would be mandatory for all Trinity students. The task may not be as simple as it sounds. At the moment all courses offered at U of T must be available to all students, whether they

are members of a certain college or not. Nevertheless, said Allen, the working group will still develop a proposal. Whether students will be required, or simply encouraged, to enrol in the course will be decided later, he said. The working group

parability of high school grading and reporting, and whether these adequately reflect the academic abilities and interests of the students." Professor Robert Painter, provost of Trinity, said that students interested in such community activities as de-



Strachan Hall, the dining room of Trinity College

will also develop a separate proposal for Trinity's first-year seminars that are being launched next year. In a project coordinated by the Faculty of Arts & Science, each department and college at U of T will offer two of these seminars aimed at improving undergraduate education.

Second, the report urges Trinity to extend its undergraduate admissions criteria. The college selects applicants with the highest marks but, according to the report, "there is doubt about the integrity and com-

bating, Amnesty International and the sponsoring of refugees are important in furthering the college's sense of purpose. "Maybe, in order to get that sense of community, we would pass by some students who had high marks," he suggested. "It would seem that students of very high academic achievement who do nothing else than study might as well go to any college — whether there's a social life there or not may not matter to them."

The third set of recommendations

concerns the terms of fellowship. Trinity has 70 to 80 fellows or full-time academic staff. Before entering into the Memorandum of Understanding with U of T in 1974, the college recruited all of its fellows. Today only the fellows in the Faculty of Divinity are on the college payroll; those in Trinity's Faculty of Arts & Science are hired by U of T, then invited by the college to serve as fellows. There is uncertainty about what the fellows expect of fellowship and what the college expects of its fellows, the report says. "Students are confused about the role of fellows and their relationship to the student body as a whole, while most people, including many fellows themselves, are unclear about the qualifications for fellowship and the process by which decisions to advance offers of fellowship are reached." Criteria, selection procedures and review guidelines for fellowship should be established, says the report.

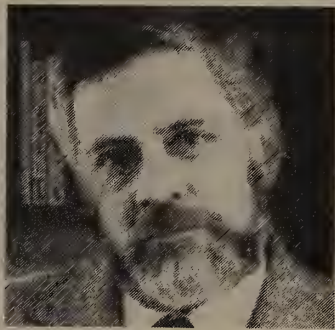
The fourth working group is looking at ways to review and improve governance and administrative structures and practices. "It is evident that there is at the present time a great degree of confusion throughout the college that arises from the complexity of governing structures, unclear lines of authority, overlap in responsibilities and generally poor communication," the report says. The college is governed by two bodies, the college council and the executive committee. Ultimately a unicameral system of governance might be the best way to make the system more effective, the report adds.

Community is the topic for the fifth working group. It will consider ways to improve interaction between various groups, for example, between alumni and students and between support staff and other members of the college. With respect to the college's relationship with the Anglican Church, the steering committee found that most people are in favour of retaining the status quo, with students being prepared at Trinity for ministry in the church.

## Better than Sliced Bread

**A** NEW PROGRAM FOR FIRST-year science students is "the best thing since sliced bread," says Professor Joseph Boyle, principal of St. Michael's College.

The science cohort program started this year. It allows students to select most of their science classes according to college affiliation and, in some cases, to attend lectures at the colleges rather than at the Earth Sciences Centre.



Joseph Boyle

Students who enrol in a chemistry course offered at St. Michael's, for example, are likely to run into the same students who take mathematics at that college. Physics classes stay at the McLennan building but do not conflict with college-based sections in chemistry and math. The first-year biology course continues to be taught in one large class at Convocation Hall.

Professor Jim Thompson of the Department of Chemistry said it is too early to say how the program is working. If it proves successful, he noted, professors in the different science disciplines may begin to coordinate their course material.

The arrangement makes it easier for students to spend time at their college and build friendships and working relationships, said Boyle. "From my point of view, in terms of cooperation between the colleges and the science departments, this is just about the best thing that's ever happened."



# VISIBLE PRESENCE

*Aida Graff aims to magnify the profile of women on campus*

By SUZANNE SOTO

SEARCHING FOR MATERIAL FOR A FUTURE exhibit on the history of women at U of T, Aida Graff, the new status of women officer, thought U of T's archives would be a natural place to start.

She found, however, that although the repository does have a wonderful collection of historical photographs, very few portray women. "It's all buildings, buildings, buildings, men, men, men, oops! *one* woman. More buildings, buildings, buildings, men, men, men, whoa! another woman," Graff says, laughing as she describes her dissection of the archival files.

Unfortunately, she adds more seriously, this gives the impression that women have not played an important role in U of T's history and makes both their presence and contributions over the past century all but invisible. Soon after embarking on a three-year term of office July 1 she decided that one of her goals would be to raise the profile of the women who have helped make U of T the world-renowned institution it is today.

The daughter of an Egyptian diplomat, Graff was born in Japan and spent her childhood in several countries — Bulgaria, Turkey, Italy, France and the US, among others. Most of her early education consisted of private tutoring and while this may sound glamorous, she found it was "no fun because I couldn't make friends."

In the late 1950s she studied at Cairo University in Egypt and graduated with a master's degree in English. Along the way she married, had two children and taught at Cairo for 10 years. She then decided to resume her studies and obtained an MA from



Manchester University. She came to U of T in 1970 with plans to do a PhD in comparative literature, focusing on Egyptian and arabic literature.

When she expressed her intentions to administrators running the new program, she was bluntly told she would have to concentrate on literature "within the Judaeo-Christian tradition." She eventually chose another thesis but the experience jolted her, not least because she did not expect it.

She also did not expect to find that women at U of T could not belong to Hart House or sit in the Senior Common Room at Victoria College and that female faculty earned substantial-

ly less than their male colleagues. Graff had heard that, unlike Egyptian women, their North American counterparts were "equal, free and that everything was perfect for them." It was a shock to discover otherwise. "I was amazed, to say the least, and so my feminist education started here."

Her PhD completed, she decided to stay in Canada and took a job teaching English at the former Ryerson Polytechnical Institute. Two years later, in 1976, she returned to U of T to work as Victoria College's dean of women where she was responsible for ensuring the academic and, to some extent, personal well-being of female students. While at the college she also taught a course in American literature and became involved with several community and government committees concerned with race and gender issues such as the Coalition of Visible Minority Women and the Ontario anti-racism advisory working group.

In 1992 she became assistant to the master of Massey College. However, the status of women officer post, left vacant after Lois Reimer's retirement, interested her. For one thing she thought it would give her an opportunity to "make U of T's climate warmer" for women.

Graff commends the University for the work it has done in the area to date but says it must achieve more. "This university should be a leader in warming up the climate for women," she says. "And we do that by providing a more nurturing environment for their development, by being more flexible and by making sure all women — students, staff and faculty — are equitably treated."

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# DESIGN FOR THE FUTURE

*Pencils, paper and heavy portfolios are passé these days at the Information Technology Design Centre*

By DAVID TODD



MARY ALTON IS PUTTING TOGETHER a new portfolio. Like any freelance visual artist, she needs a handsome package that will suitably impress anyone interested in a sampling of her work.

But it's not a sheaf of drawings or photographs that Alton has in mind. Her portfolio, once complete, will consist of a 12.7-centimetre coated aluminum disk. If nothing else it should be easier to carry on the subway.

As a showcase for her talents Alton plans to produce a guide on CD-ROM to the work of Robert W. Stevenson, a local composer and conductor she admires. By loading the disk onto a computer drive, a devotee of experimental music will be able to call up onscreen the score of a Stevenson composition as well as information on his career, audio and video clips and some computer animation. This ambitious venture is Alton's term project for the program in interactive multimedia theory and design that she is taking at U of T's Information Technology Design Centre (ITDC).

Interactive multimedia studies is the newest of 13 certificate programs offered by the centre, a self-supporting continuing education facility that forms part of the School of Architecture & Landscape Architecture. These programs, or "modules," are geared towards helping design professionals cultivate their skills in such areas as computer animation and modelling, electronic graphic design and the application of computer technology to architectural or industrial design work. As Alton points out, few people trying to make their living in the design field can afford to do without this kind of knowledge. "It's important in this climate to become computer literate," the artist says. "For me this program is just another step in a process of continual retraining."

The centre was established at the school of architecture two years ago in response to some of the changes that technological advances have brought about in the design professions. It began as the Apple Design & Modelling Centre with 15 Macintosh computers donated by Apple Canada Inc. Now ITDC has four computer labs furnished with some of the most sophisticated equipment on the market — including hardware from Silicon Graphics Inc. and animation software from Canada's Alias Research Inc. — plus a stable of nearly 40 professional consultants who provide their services as instructors. More than 600 people register each year for ITDC courses; in addition to design professionals, the centre also accepts students subsidized under various government job retraining programs.

Isabel Hoffmann, the centre's voluble and energetic director, says that the design centre is about "pragmatic education" — teaching students to use state-of-the-art tools in the ways that designers are now being called upon to do. There are fewer jobs available in the industry than ever, she says, and ultimately they will go to those individuals who have mastered the new technology and can apply it to design in innovative ways.

Professor Anthony Eardley, dean of the architecture school, says that computer applications are completely transforming the way designers approach their work. Architects, for example, have long used computers to write specifications and prepare working drawings; however, the increasing sophistication of the technology means that now it can be applied to basic conceptual work as well. A computer can even tell an architect in precise terms the effect that a minor design modification will have on a building's square footage or capital costs — once a matter of guesswork. "I suspect that the pencil has rather a short prospect in the future of design endeavour," says Eardley.

That opinion is seconded by Jim Belisle, a Toronto architect

who used to teach at the school. The use of computers, he says, is becoming essential to the operation of any architectural practice. Recently he and his wife Sheila Murray, a landscape architect, decided to take some of ITDC's offerings. "We're doing retraining," he says. "We're too young to be able to ignore this stuff and too old to have been exposed to it at a younger age."

Technological evolution is, in addition, opening up whole new areas of endeavour that call upon the specialized skills of design professionals. Interactive multimedia is among those with the farthest-reaching potential. As its name implies, the concept involves the merging of various media — including text, digitized photographs, video, computer animation, music and sound effects — into a single integrated product such as an encyclopedia or adventure game for personal computer. Applications are "interactive" because the user is not expected to work through the material in linear fashion, the way a person would watch a videotape. Instead the process is one of exploring the information according to one's own preferences.

"You decide what connections you're going to make," explains Justin Heyworth, coordinator of the interactive multimedia design program for ITDC. "If it's an interactive encyclopedia and while you're reading about the Sahara Desert you see the word 'elephant' you could click your mouse on that word and go to a whole new section on elephants. If there's an illustration, you could click on the tusk and call up a section about the

history and politics of ivory. Or click somewhere else to see a piece of animation about elephant anatomy. It's all a question of how you choose to make use of the information."

With the emergence of CD-ROM as the prevailing format, interactive multimedia has begun to make real strides forward. A wide variety of applications have appeared within the last few years including encyclopedias, catalogues, atlases and travelogues. Canadian Tire used the technology to develop an in-store information kiosk for customers; *Time* magazine in the US now publishes an interactive edition on CD-ROM. Architects may soon begin submitting their proposals using this format as well, as prospective clients demand to be taken on virtual tours of their building designs.

Hoffmann began to consider a program on interactive multimedia when Heyworth, a young producer well versed in the field, approached her last year to discuss the possibility. They mapped out a plan for an intensive 16-week immersion in the process of multimedia design and production. The courses cover such topics as image manipulation, three-dimensional design, computer animation and digital audio and video editing, using the most advanced applications programs currently available. The 18 students who enrolled for the program's inaugural run include graphic designers, computer programmers and professionals from the film and television industries.

Over the 16 weeks they are expected to create their own interactive multimedia CD-ROM, like the one Alton has in mind, incorporating all the essential elements — audio, video, animation, graphics and text. Heyworth says that the program is designed to equip participants so they can do professional multimedia work almost as soon as they leave. But unless they are prepared to keep upgrading their skills, they will risk being left behind by the forward march of technology. "They're going to have to commit to educating themselves for the rest of their lives," Heyworth says.

Although it operates at arm's length from U of T, ITDC serves the University's interests in a number of ways, both direct and indirect. The centre has, for example, dedicated one of its computer labs full-time to the undergraduate programs of the school of architecture while making another available on a shared basis. Without the existence of ITDC, Eardley says, students from the school would not have access to all that sophisticated hardware and software. "My equipment allocation for the past several years has been a few thousand dollars," he says. "That'll buy you paper clips."

By offering a service to design professionals, the centre may also be helping U of T score points with industry. "The University tends to be seen as snobbish, doing everything purely for the sake of research," Hoffmann says. "What we're doing is projecting an image of the University as a place that is aware of new technology, that cares about industry and wants to establish business relationships." In some instances ITDC has even agreed to handle specialized design technology projects for private firms.

At the moment the major challenge for ITDC is simply keeping up with a branch of technology that seems to continually reinvent itself. The centre's programs, whether in multimedia or any other area, are only useful to students as long as they cover the state of the art — whatever that may happen to be for the next few months. "It's not as if we can have a fixed curriculum," Hoffmann says. "Every time modules are mounted I find they change slightly. We haven't even got around to printing the brochure this year. I know that the moment I send it to press, it'll be obsolete."



# EVENTS



## LECTURES

### Suburbs: Heaven or Hell for Women?

MONDAY, NOVEMBER 1

Prof. Kim England, Department of Geography; Popular Feminism lecture and discussion series. Boardroom, 12th floor, Ontario Institute for Studies in Education, 252 Bloor St. W. *Women's Studies in Education, OISE*

### PVM and MPI: Tools for Concurrent Computing.

TUESDAY, NOVEMBER 2

Prof. Jack Dongarra, University of Tennessee; Computer Science: Its Theory, Practice, Applications and Implications series. 1105 Sandford Fleming Building. 11 a.m. *Computer Science and ITRC*

### Opposition in Serbia.

WEDNESDAY, NOVEMBER 3

Srdjan Popovic, exile from Yugoslavia; Balkan workshop. 14352 Robarts Library. 4 p.m. *CREES*

### The Politics of Marriage.

WEDNESDAY, NOVEMBER 3

Christine Delphy, co-founder of *Questions Féministes* and *Novelle Questions Féministes*. 101 Victoria College. 4:10 p.m. *Women's Studies, French, Philosophy and Sociology*

### Twins and Mirrors.

WEDNESDAY, NOVEMBER 3

Thomas Leesser, New York. Room 103, 230 College St. 7 p.m. *Architecture & Landscape Architecture*

### Minoan Wall Paintings from Ancient Avaris, Eastern Nile Delta.

THURSDAY, NOVEMBER 4

Prof. Manfred Bietak, University of Vienna; James Walter Graham lecture. 205 Claude T. Bissell Building, 140 St. George St. 5 p.m. *Ancient Studies Collaborative Program*

### Salvation in the Stars: Celestial Allegories in the Refutation of Hippolytus.

FRIDAY, NOVEMBER 5

Professor Roger Beck, classics, Erindale College. McLaughlin Planetarium. 4 p.m. *Classics and Study of Religion*

### Surviving Health Care Reform in Academic Anaesthesia.

FRIDAY, NOVEMBER 5

Prof. Peter Duncan, Queen's University; Dr. Murray Mendelson lecture. 5 p.m. Territories Room, Royal York Hotel. *Anaesthesia*

### Kierkegaard's Dialectic Image of Being Human.

FRIDAY, NOVEMBER 5

Prof. Arthur Krentz, University of Regina. Combination Room, Trinity College. 7:30 p.m. *Kierkegaard Circle*

### When the Amazon Flowed West: Origin of South American Freshwater Stingrays.

SUNDAY, NOVEMBER 7

Prof. Daniel R. Brooks, Department of Zoology. Auditorium, Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

### The Next Generation of Software Engineering Environments.

TUESDAY, NOVEMBER 9

Anthony I. Wasserman, Interactive Development Environments, Inc. 1105 Sandford Fleming Building. 11 a.m. *Computer Science and ITRC*

### Cretan Iomeneus and Troy: Homer and Archaeology.

WEDNESDAY, NOVEMBER 10

Prof. Halford W. Haskell, Southwestern University. Lecture room, McLaughlin Planetarium. 5:15 p.m. *Archaeological Institute of America, Toronto Society*

### Messianic Strivings in Yiddish Literature.

WEDNESDAY, NOVEMBER 10

Professor Avraham Novershtern, Hebrew University of Jerusalem; Israel and Sala Disenhouse lecture. 108 Koffler Institute for Pharmacy Management. 8 p.m. *Jewish Studies*

### Non-Violent Action — in Defence of Canada?

THURSDAY, NOVEMBER 11

Normand Beaudet, Centre de Ressources sur la Non-Violence, Montreal; Prof. George Crowell, University of Windsor; and Graeme MacQueen, McMaster University; UC lecture in peace studies. Croft Chapter House. 7 to 10 p.m. *UCAA and Science for Peace*

### Marriage of the Celibate Professions: Medicine, Ethics and Law.

THURSDAY, NOVEMBER 11

Prof. Margaret Somerville, McGill University; Wiegand lecture. Auditorium, Medical Sciences Building. 8 p.m.

### Fusion Energy: How Soon and Will It Be Hot or Cold?

SUNDAY, NOVEMBER 14

Prof. Archie A. Harms, McMaster University. Auditorium, Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

### Architecture and Other Anomalies.

WEDNESDAY, NOVEMBER 17

Ben Gianni, Ottawa. Room 103, 230 College St. 7 p.m. *Architecture & Landscape Architecture*

### God Knows. But What? And How?: Aquinas on God's Knowledge.

THURSDAY, NOVEMBER 18

Prof. Norman Kretzman, Cornell University. 179 University College. 4 p.m. *Philosophy*

### The Anxiety of Change: Who We Are, or Might Be.

THURSDAY, NOVEMBER 18

Prof. Christie MacDonald, University of Montreal. Auditorium, Medical Sciences Building. 8 p.m.

### Utilizing Quantum Mechanics: Control of Molecular Motion with Lasers.

SUNDAY, NOVEMBER 21

Prof. Paul Brumer, Department of Chemistry. Auditorium, Medical Sciences Building 3 p.m. *Royal Canadian Institute*

## COLLOQUIA

### The Myth of the Iron Lady: American Women and Foreign Policy.

TUESDAY, NOVEMBER 2

Prof. Rhodri Jeffreys-Jones, University of Edinburgh. Combination Room, Trinity College. 4 to 5:30 p.m. *International Relations*

### Joseph Loschmidt, The Father of Molecular Modelling.

THURSDAY, NOVEMBER 4

Alfred Bader, chair emeritus, Sigma-Adrich. 159 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

### Metal Carbonyls: Their Kinetics and Mechanisms. Learning to Expect the Unexpected.

FRIDAY, NOVEMBER 5

Prof. A.J. Poë, Department of Chemistry. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

### The Mathematization of the World Picture: Physics against Mathematics.

WEDNESDAY, NOVEMBER 17

Prof. Yves Gingras, Université du Québec à Montréal. 304 Victoria College. 4 p.m. *IHPST*

### Espionage and Diplomacy at Yalta and Potsdam: The Case of Donald McLean.

THURSDAY, NOVEMBER 18

Sheila Kerr, visiting Wayne State University. Rigby Room, St. Hilda's College. 4 to 5:30 p.m. *International Relations*



## SEMINARS

### Structure and Function of Mammalian Golgi Enzymes.

MONDAY, NOVEMBER 1

Dr. Kelley Moremen, Complex Carbohydrate Research Centre. 4279 Medical Sciences Building. 4 p.m. *Molecular & Medical Genetics*

### Towards an Understanding of the Function of the Murine Homeobox Gene Tlx-1 by Gene Targeting.

TUESDAY, NOVEMBER 2

Shaojun Tang, Department of Molecular & Medical Genetics.

### Puzzling Region in the Human Immunoglobulin Heavy Chain Gene Cluster.

Hakyung Kang, Department of Molecular & Medical Genetics. 2172 Medical Sciences Building. 3 p.m. *Molecular & Medical Genetics*

### Probing Liquid Solid Interfaces with Atomic Force Microscopy and Second Harmonic Generation.

TUESDAY, NOVEMBER 2

Prof. Cynthia Goh, Department of Chemistry. 134 McLennan Physical Laboratories. 4 p.m. *OLLRC*

### Radiation Chemistry of Organic Compounds.

WEDNESDAY, NOVEMBER 3

Claudio Chuaqui, AECL. 119 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

### Brain Dopamine Receptors in an Animal Model of Tardive Dyskinesia.

WEDNESDAY, NOVEMBER 3

Prof. José N. Nobrega, Department of Pharmacology. 4227 Medical Sciences Building. 4 p.m. *Pharmacology*

### Meiotic Chromosome Synapsis: How is It Accomplished?

FRIDAY, NOVEMBER 5

Prof. Claire Hasenkampf, Division of Life Sciences, Scarborough College. 430 Ramsay Wright Zoological Laboratories. 12 noon. *Zoology*

### Comparative Housing Policies and Homelessness.

FRIDAY, NOVEMBER 5

Prof. Gerry Daly, York University; Taylor/subterranean series. 2123 Sidney Smith Hall. 2:30 to 4 p.m. *Geography and Community & Urban Studies*

### The Flowering of American Social Movements in the 1960s.

FRIDAY, NOVEMBER 5

Prof. Douglas McAdam, University of Arizona. Room 506, 203 College St. 3 to 5 p.m. *American Studies Committee*

### Dystrophin in the Retina.

TUESDAY, NOVEMBER 9

Vinita D'Souza, Department of Molecular & Medical Genetics.

### Regulation of Embryonic Expression of the Mouse En-2 Gene.

Dongli Song, Department of Molecular & Medical Genetics. 2172 Medical Sciences Building. 3 p.m. *Molecular & Medical Genetics*

### The Making of the St. Petersburg Industrial Working Class, 1703-1914.

TUESDAY, NOVEMBER 9

Evel Economakis, Department of History. Upper Library, Massey College. 7 to 9 p.m. *CREES*

### Good Bioethics Must Be Feminist Bioethics.

WEDNESDAY, NOVEMBER 10

Prof. Laura Purdy, Wells College. Room 936, 215 Huron St. 4 to 5:30 p.m. *Bioethics and Philosophy*

### The Bureaucracy in Tsarist Ukraine: Numbers, Composition, Selection.

THURSDAY, NOVEMBER 11

Prof. Stephen Velychenko, Chair of Ukrainian Studies. Boardroom, Multicultural History Society of Ontario, 43 Queen's Park Cres. E. 4 to 6 p.m. *Ukrainian Studies*

### The Role of Myotonic Dystrophy Kinase in Muscle Differentiation.

FRIDAY, NOVEMBER 12

Dr. Kathy Tsilfidis, Toronto Hospital. 430 Ramsay Wright Zoological Laboratories. 12 noon. *Zoology*

### Phenotypic Defects Associated with Mutations of FTZ Phosphorylation Sites (Background).

TUESDAY, NOVEMBER 16

Jianli Dong, Department of Molecular & Medical Genetics. 2172 Medical Sciences Building. 3 p.m. *Molecular & Medical Genetics*

### Real Space Imaging of Electron Scattering and Atomic Manipulation with the STM.

TUESDAY, NOVEMBER 16

Phaedon Avouris, IBM Research Centre, Yorktown Heights. 134 McLennan Physical Laboratories. 4 p.m. *OLLRC*

### Engineering Cell Receptor Processes.

WEDNESDAY, NOVEMBER 17

Prof. Douglas A. Lauffenburger, University of Illinois. 119 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

### Molecules and Mechanisms That Control Growth Cone Guidance and Target Recognition: Genetic Analysis of *Drosophila*.

THURSDAY, NOVEMBER 18

Prof. Corey Goodman, University of California at Berkeley. 2172 Medical Sciences Building. 4 p.m. *Molecular & Medical Genetics*

### Educational Changes in Iran from World War II to the Present.

THURSDAY, NOVEMBER 18

Prof. Hossein Lotfabad, visiting Ontario Institute for Studies in Education. 14098

Robarts Library. 4 p.m. *Middle East & Islamic Studies*

### Gender Ambiguity in Recent American Film.

FRIDAY, NOVEMBER 19

Prof. Caryl Flinn, Cinema Studies Program. 314 E.J. Pratt Library, Victoria College. 2 to 4 p.m. *American Studies Committee*

### Japanese Buddhist Art in the Heian Period.

FRIDAY, NOVEMBER 19

Catherine Ludwik, Centre for the Study of Religion. 241 Gerald Larkin Building, 15 Devonshire Place. 2:30 p.m. *Trinity and Study of Religion*



## MEETINGS & CONFERENCES

### Academic Board.

THURSDAY, NOVEMBER 4

Council Chamber, Simcoe Hall. 4:15 p.m.

### Editing Early and Historical Atlases.

FRIDAY, NOVEMBER 5

AND SATURDAY, NOVEMBER 6

29th annual conference on editorial problems. All sessions in 179 University College.

FRIDAY, NOVEMBER 5

Atlas Structures and Their Influence on Editorial Decisions, William G. Dean, director, *Historical Atlas of Canada*. 3 p.m. From Books with Maps to Books as Maps: The Editor in the Creation of the Atlas Idea, James R. Akerman, The Newberry Library. 4:15 p.m.

SATURDAY, NOVEMBER 6

Breaking the Ortelian Pattern: Historical Atlases with a New Program, 1747-1830, Walter Goffart, Department of History. 9:30 a.m.

Commode, Complet, Uniforme et Suivi: Problems in Atlas Editing in Enlightenment France. 11:15 a.m.

Jomard: The Geographic Imagination and the Creation of the First Great Facsimile Atlas, Anne Godlewska, Queen's University. 1:30 p.m.

Deconstructing an Atlas from Inside: Reflections on Volume I *Historical Atlas of Canada*, R. Colebrook Harris, University of British Columbia. 3:15 p.m.

Registration fee \$65 (without banquet \$45), students (without banquet) \$20. Information: Joan Winearls, 978-1958.

### The Good Life in Ancient Egypt.

SATURDAY, NOVEMBER 6

19th annual symposium on Egyptology. The "Good Life" in Ancient Egyptian Literature, John L. Foster, Roosevelt University; The Symbolism of Personal Adornment in Ancient Egypt, Robyn A. Gillam, York University; Music and Dance in Ancient Egypt, Lyn Green, Brock University; The Palace Frescoes from Tell el-Daba, Manfred Bietak, University of Vienna; Body Image in Ancient Egyptian Art, Gay Robins, Emory University; Intoxicants in Ancient Egypt, Eugene Cruz-Urbe, Northern Arizona University. St. George Campus. 9 a.m. to 5 p.m. Registration fee: \$65. Registration and information: 978-7051. *SCS and Society for the Study of Egyptian Antiquities*

### University Affairs Board.

TUESDAY, NOVEMBER 9

Council Chamber, Simcoe Hall. 4 p.m.



# EVENTS

## MUSIC

### VICTORIA COLLEGE Concert with Lecture: A Concert Performance and a Historical Sketch of Modern Japanese Music.

MONDAY, NOVEMBER 1  
Koh-ichi Hattori, Japanese composer, with  
Kimiko Fukunari, soprano. Victoria  
College Chapel. 7:30 p.m.

### TRINITY COLLEGE Choral Evensong.

WEDNESDAYS, NOVEMBER 3  
TO NOVEMBER 17  
Trinity College Chapel Choir; Robert  
Bell, director. Trinity College Chapel.  
5:30 p.m.

### FACULTY OF MUSIC EDWARD JOHNSON BUILDING

Jazz Ensemble Concerts.  
WEDNESDAYS, NOVEMBER 3  
TO NOVEMBER 17  
Jazz combos. Walter Hall. 8 p.m.

### Thursday Noon Series.

THURSDAY, NOVEMBER 4  
Performance by student chamber ensem-  
bles. Walter Hall. 12:10 p.m.

THURSDAY, NOVEMBER 11  
Performance of student compositions.  
Walter Hall. 12:10 p.m.

### U of T Jazz Ensembles.

THURSDAY, NOVEMBER 4  
The 10 and 11 O'Clock Jazz Ensembles;  
Paul Read and Phil Nimmons, directors.  
MacMillan Theatre. 8 p.m. Tickets \$8,  
students and seniors \$5.

### Electroacoustic Music.

SUNDAY, NOVEMBER 7  
New works by student composers. Walter  
Hall. 11 a.m. and 3 p.m.

### Faculty Recital Series.

SATURDAY, NOVEMBER 13  
Meridian Ensemble: Amy Hamilton, flute;  
Keith Atkinson, oboe; and Che Anne  
Loewen, piano; with guest Joan Watson,  
horn. Walter Hall. 8 p.m. Tickets \$10,  
students and seniors \$5.

### Faculty Recital Series.

MONDAY, NOVEMBER 15  
Jo-Anne Bentley, mezzo soprano, and  
Rachel Andrist, piano. Walter Hall. 8 p.m.  
Tickets \$10, students and seniors \$5.

### Tuesday Noon Series.

TUESDAY, NOVEMBER 16  
The Toronto Festive Brass; Jeffrey  
Reynolds, conductor. Walter Hall.  
12:10 p.m.

### Opera Division.

FRIDAY, NOVEMBER 19  
AND SATURDAY, NOVEMBER 20  
Highlights from the operatic repertoire in  
concert. MacMillan Theatre. 8 p.m.  
Tickets \$10, students and seniors \$5.

### Faculty Artists Series.

SATURDAY, NOVEMBER 20  
A celebration in honour of the Faculty of  
Music's 75th anniversary. Walter Hall.  
8 p.m. Tickets \$15, students and seniors  
\$10.

### GLENN GOULD STUDIO Amici.

FRIDAY, NOVEMBER 5  
Joaquin Valdepeñas, clarinet; David  
Hetherington, cello; and Patricia Parr,  
piano; with Mark Kaplan, violin; Paul  
Meyer, violin; and Rennie Regehr, viola.  
250 Front St. W. 8 p.m. Information:  
782-7712.

### SCARBOROUGH COLLEGE Sunday Serenade.

SUNDAY, NOVEMBER 7  
The Toronto Consort. Meeting Place.  
3 p.m.

### HART HOUSE Sunday Concert Series.

SUNDAY, NOVEMBER 7  
The Gryphon Trio: Annalee  
Patipatanakoon, violin; Roman Borys,  
cello; and Jamie Parker, piano. Great Hall.  
8 p.m. Tickets at the hall porter's desk.

### ROYAL CONSERVATORY OF MUSIC

AGO Sunday Concert Series.  
SUNDAY, NOVEMBER 14  
Coenraad Bloemendal, cello; and Dianne  
Werner, piano. Walker Court, Art Gallery  
of Ontario. 2 p.m.

### RCM Artists Series.

THURSDAY, NOVEMBER 18  
Andrew Markow and Charlene Biggs,  
piano. Concert Hall. 8 p.m. Tickets \$9,  
students and seniors \$6.



## PLAYS & READINGS

### The Duchess of Malfi.

WEDNESDAYS TO SUNDAYS,  
NOVEMBER 10 TO NOVEMBER 21  
By John Webster, directed by Christopher  
Herr. Graduate Centre for Study of Drama  
1993-94 season. Studio Theatre, 4 Glen  
Morris St. Performances at 8 p.m. except  
Sundays 2 p.m. Tickets \$8, students and  
seniors \$6. Reservations: Monday to  
Friday, 11 a.m. to 5 p.m., 978-7986.

### The Tempest.

WEDNESDAY TO FRIDAY,  
NOVEMBER 10 TO NOVEMBER 12  
AND WEDNESDAY TO SATURDAY,  
NOVEMBER 17 TO NOVEMBER 20  
By William Shakespeare. Leigha Lee  
Browne Studio Theatre, Scarborough  
College. Performances at 8 p.m. except  
Saturday 3 p.m.

## FILMS

### Innis Film Society Program.

SUNDAY, NOVEMBER 21  
Burying the Dead, Bruce Elder. Jackman  
Hall, Art Gallery of Ontario. 6 p.m.  
Tickets \$4.



## EXHIBITIONS

### SCHOOL OF ARCHITEC- TURE & LANDSCAPE ARCHITECTURE

The New Kitchener City Hall.  
TO NOVEMBER 4  
Focuses on the process of developing the  
competition entry won by Kuwabara,  
Payne, McKenna, Blumberg in 1989.

### Seven Rooms.

NOVEMBER 8 TO NOVEMBER 25  
An analysis of seven modern rooms by  
Marc Baraness and Matthew Wilson. The  
Gallery, 230 College St. Gallery hours:  
Monday to Friday, 9 a.m. to 5 p.m.

### SCARBOROUGH COLLEGE

Tapestries of Indonesia.  
TO NOVEMBER 5

Tapestries and artifacts from the private  
collection of Prof. Robert Siebelhoff,  
Scarborough College.

### Contemporary Art in Scarborough.

NOVEMBER 10 TO NOVEMBER 26  
A joint exhibition with the Scarborough  
Arts Council. The Gallery. Gallery hours:  
Monday to Friday, 11 a.m. to 4 p.m.

### JUSTINA M. BARNICKE GALLERY, HART HOUSE

TO NOVEMBER 11  
Embodiment: Formation  
of the Visible.  
Jennifer Clark, sculptural paintings. East  
Gallery.

### Beautiful Anxiety.

Nancy Kembry, paintings. West Gallery.

### Feast of Incarnation.

NOVEMBER 18 TO DECEMBER 16  
Doris McCarthy, organized and circulat-  
ed by The Gallery, Stratford. East and  
West Galleries. Gallery hours: Monday  
to Friday, 11 a.m. to 7 p.m.; Saturday and  
Sunday, 1 to 4 p.m.



## MISCELLANY

### Record Sale.

WEDNESDAY, NOVEMBER 3  
LPs, CDs, cassettes, books and scores;  
thousands of items to choose from. Lobby,  
Edward Johnson Building. 11 a.m. to  
5 p.m. Special pre-sale, room E016. 4:30  
to 7 p.m. Admission \$5.

### Act of Remembrance.

THURSDAY, NOVEMBER 11  
Chaplain of Hart House will conduct the  
service. Soldiers' Tower. 10:35 a.m. UTAA

### Original Student Print Sale.

SATURDAY, NOVEMBER 13 AND  
MONDAY TO WEDNESDAY,  
NOVEMBER 15 TO NOVEMBER 17  
Lithographs, etchings, screen and wood-  
block from \$5 to \$25. Meeting Place,  
Scarborough College. Saturday, 10 a.m. to  
3 p.m.; Monday to Wednesday, 10 a.m. to  
4 p.m.

### Academic Showcase 93.

SATURDAY, NOVEMBER 13  
Open house at Scarborough College.  
Meeting Place and other locations on  
campus. 10 a.m. to 3 p.m.

### Convocation.

MONDAY, NOVEMBER 22  
Scarborough and Erindale Colleges,  
professional faculties and Woodsworth  
College diplomas and certificates.  
Honorary graduand Saul Bellow will  
address Convocation. Convocation Hall.  
8:15 p.m.



## DEADLINES

Please note that information for Events  
listings must be received in writing at The  
Bulletin offices, 21 King's College Circle, 2nd  
floor, by the following times:

Issue of November 22, for events taking  
place Nov. 22 to Dec. 13: MONDAY,  
NOVEMBER 8.

Issue of December 13, for events taking  
place Dec. 13 to Jan. 10: MONDAY,  
NOVEMBER 29.

## Mr. James C. Floyd

Aerospace & Aviation Pioneer  
(Concorde, Avro Arrow, Jetliner, Lancaster)  
will speak at

## University Lodge

Masonic Temple, 888 Yonge Street  
Wednesday, November 10, 1993, 8 p.m.  
Visitors welcome, Information: 978-5031

## The Household Science and Nutritional Sciences Alumni Association, University of Toronto

presents

## DENISE BEATTY

Nutrition Columnist, Toronto Star  
as the

20th Annual Edna W. Park Lecturer

## What Every Woman Needs To Know About Nutrition

Wednesday, November 17, 1993

7:30 p.m. Hart House Theatre

Admission free

Reception to follow  
Music Room

## Innis College Cafe

UNDER NEW MANAGEMENT

### Soups

### Salads

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Full catering service for all occasions

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2 Sussex Avenue (N of Robarts Library)  
598-0575

## An Act of Remembrance at The Soldiers' Tower Hart House Circle

Thursday,  
November 11th, 1993  
at 10:35 a.m.

### Carillon

Hart House Chorus  
directed by John Tuttle

Last Post and Reveille  
will be sounded

• Refreshments in Hart House  
following the service

• The Memorial Room will be open  
to visitors following the service  
until 3:00 p.m.

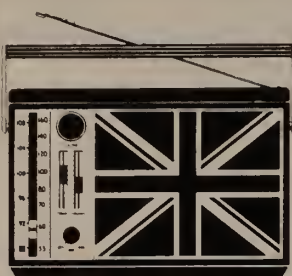
• Piper

• Brass Quintet

Arranged by the Soldiers' Tower Committee,  
University of Toronto Alumni Association







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## NOTICE

### BLUE CROSS CLAIMS

We would like to advise you that all your claims incurred during the calendar year 1992 for:

- Semi-Private Hospitalization
- Extended Health Care
- Dental Care and/or
- Vision Care

must be submitted to Blue Cross **prior to December 31, 1993** in order to be eligible for payment.

Note that 1993 claims must be sent to Blue Cross by December 31, 1994.

If you have any questions, please contact the Benefits Administration section of the Human Resources Department, at 978-2015

Faculty of Arts and Science  
University of Toronto

# Outstanding Teaching Awards

## Call for Nominations 1993 - 1994

The Faculty of Arts and Science Outstanding Teaching Awards recognize excellence in the following areas:

- Classroom Instruction
- Course Design
- Curriculum Development
- Innovative Teaching Methods

Nominations should be submitted to the  
Dean's Office, Room 2020, Sidney Smith Hall  
by

**Friday, December 10, 1993**

For further information call 978-3389.

## IMPROVE YOUR WRITING

Starting in January the **School of Continuing Studies** will offer a variety of courses which address writing skill development:

### ENGLISH USAGE: THE BASICS

Mon 7:00-9:00pm  
Jan 17 - Mar 21

### PRACTICAL WRITING

Mon 7:00-9:00pm  
Jan 17 - Feb 21

### THE WRITING SKILLS WORKSHOP

Sat 9:30am-4:30pm  
Jan 15 and Jan 29

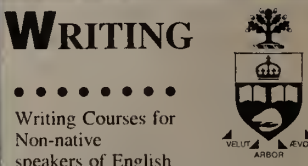
### BUSINESS WRITING

Thu 7:00-9:00pm  
Jan 27 - Mar 24

### REPORT WRITING

Thu 6:30-9:00pm  
Jan 20 - Mar 17

For more information about  
these courses call 978-6714.



Writing Courses for  
Non-native  
speakers of English

### ACADEMIC WRITING: INTERMEDIATE/ADVANCED

Tue 7:00-9:30pm Jan 18 - Mar 22  
St. George & Scarborough Campus  
Fri 12:00-2:00pm Jan 21 - Apr 15

### GRADUATE LEVEL ACADEMIC THESIS WRITING

Tue 7:00-9:30pm Jan 18 - Mar 22

### BUSINESS WRITING

Thu 6:30-9:00pm Feb 3 - Apr 7

### TECHNICAL WRITING

Thu 6:30-9:00pm Feb 3 - Apr 7

### PERFECT YOUR WRITING

Tue 7:00-9:30pm Jan 18 - Mar 22

For more information  
call 978-6529.



**Joaquin Valdepeñas-clarinet**  
**David Hetherington-cello**  
**Patricia Parr-piano**

*Artists-in-Residence, Faculty of Music,  
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Michael Sweeney, bassoon

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## Financial Planning Seminar

The University of Toronto Faculty Association's annual seminar to assist members with their financial planning will be held at **2:00 p.m. on Tuesday, November 16, 1993.**

Professor Emeritus Brian Galvin (Financial Planning Consultant) and Mr. Neil Burnham (Human Resources Department) will be present to explain and answer questions on financial planning and the University of Toronto Pension Plan.

This seminar is open only to members of the Faculty Association and their spouses.

To register, please call 978-3351.



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**Large downtown apartment** to sublet. 3 bedrooms, deck. College & Ossington. Minutes to U of T. Approximately February to September 1994. Call Martin, 533-5280.

**Short- or long-term apartment.** Annex. Large one-bedroom suite, fully equipped, very clean, quiet, smoke- & pet-free, 5 appliances. Parking. Walk to U of T. \$1,050 inclusive. Phone 967-6474.

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bathrooms, private verandah, storage, underground parking. Fully furnished, 5 appliances, indoor pool, sauna, gym, playground! December 1. \$1,100/month, inclusive. Term negotiable. Weekdays, 363-4868; evenings, 429-3801.

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## ACCOMMODATION RENTALS REQUIRED

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**Dental Office Opening.** Dr. Melvin C. Hsu, DDS. Dental office located near campus at Toronto Medical Arts Building, 170 St. George Street, Suite 726, at the corner of Bloor and St. George Streets. Open Monday through Sunday. Call 923-7518, by appointment only. Insurance and student rates.

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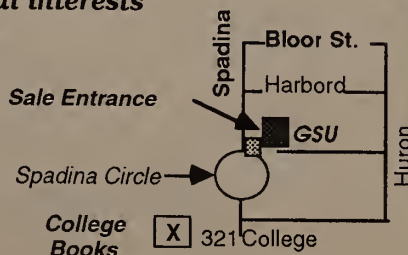
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# RESEARCH NOTICES

For further information and application forms for the following agencies, please contact University of Toronto Research Services (UTRS) at 978-2163.

**LADY DAVIS FELLOWSHIP TRUST**  
*Fellowships permitting study, research or teaching at the graduate, post-graduate or professorial levels at the Hebrew University of Jerusalem and the Technion-Israel Institute of Technology in Haifa are available. The fellowships are intended to defray the cost of the fellow's travel and tuition (where applicable) and to meet reasonable living expenses. Visiting professorships are also available to candidates with the rank of full or associate professor at their own institution. Grants include a professorial salary and travel. Deadline is November 30.*

**RESEARCH & INTERNATIONAL RELATIONS**  
*Applications are invited for starter funds for new research and/or academic activities with University of the West Indies partners. The vice-president (research and international relations) will make available \$7,500 per year for two years to assist two or three projects a year to solidify the partnership between with the universities. Enquiries should be directed to the Institute for International Programs, Simcoe Hall. Deadline is November 30.*

**HUMANITIES & SOCIAL SCIENCES CONFERENCE BOARD OF CANADA/STENTOR ALLIANCE**  
*Partnerships established before Jan. 1, 1992 and currently operating in Canada may compete for 1993-94 national awards for excellence in business-education partnerships. For further information contact Monique McNaughton, UTRS, 978-7833. Entries may be submitted directly to the Conference Board of Canada. Deadline is November 15.*

**SOCIAL SCIENCES & HUMANITIES RESEARCH COUNCIL**  
*The major collaborative research initiatives program provides support for major research initiatives which are unique deavours of exceptional quality and scholarly significance at the highest level of research competence. This program replaces the major research grants program. First-stage application is by letter of intent; full application will be by invitation. The usual University application procedures and signature requirements apply. Deadline is January 11.*

**TRI-COUNCIL SECRETARIAT**  
*The third deadline for submission of letters of intent for research grants under the eco-research funding program for research grants in environmental studies is December 15. Interested investigators are reminded that letters of intent are considered to be applications and that they must follow the usual University application and signature requirements before forwarding*

applications to SSHRC. Submission of full research proposals will be by invitation only.  
**MEDICINE & LIFE SCIENCES CANADIAN FITNESS & LIFESTYLE RESEARCH INSTITUTE**  
*Applications are invited to support research concerning physical activity, fitness, lifestyle and health and the use of this knowledge in the development of programs and services. Research on high performance sport is not included. Further details may be obtained from UTRS. Deadline is December 1.*

**MEDICAL RESEARCH COUNCIL**  
*Centennial fellowships are offered for full-time training in the health sciences to candidates of special academic distinction who wish to broaden their fields of interest and secure training, particularly for independent work in clinical investigator or interdisciplinary research. Candidates must be Canadian citizens and permanent residents of Canada and have a degree in medicine, dentistry, pharmacy, optometry or veterinary medicine or PhD (or equivalent). Candidates must be nominated by the dean of the appropriate faculty, using the MRC 20 application package. Fellowships are awarded for a period up to three years and are not renewable. Further details are in the current 1992-93 MRC guidebook and 1993-94 supplement. Deadline is November 15.*  
*University-industry program industrial studentships support highly qualified graduate students who are undertaking full-time research training in the health sciences leading to an MSc or PhD degree. A company must sponsor the proposed student and contribute an amount equal to or greater than the council's contribution. The award is tenable either in a Canadian university or a Canadian company in affiliation with a Canadian university. Further details on eligibility and conditions are in the 1992/93 MRC guidebook and the July 1993 supplement. Deadline is December 1.*

**NATIONAL INSTITUTE OF NUTRITION**  
*The institute funds highly qualified candidates for full-time post-doctoral training in centres of recognized excellence in nutrition research. For post-doctoral fellowships, eligible candidates must be Canadian citizens or landed immigrants holding an MD, PhD, DDS, DVM, PharmD or equivalent degree. Fellowships are awarded for one year and may be renewed. Deadline is November 1.*

**ONTARIO MINISTRY OF HEALTH**  
*The ministry has announced that the Nov. 1 submission deadline has been cancelled for new major projects under the health care systems research pro-*

gram. The terms of reference for this program are currently under revision. When new guidelines for the program are available, the next submission deadline will be announced, providing applicants with at least two months advance notice.

The AIDS program committee has announced funding for innovative AIDS research projects under a joint contract with the ministry, Burroughs Wellcome and the Sunnybrook Health Science Centre. Eligible areas are: innovative or non-traditional; relevant to health care needs of people with HIV/AIDS; evaluable and measurable in outcome and impact; Ontario-based; connected with the HIV community. Pilot projects with potential for further development and joint funding of projects will also be considered. Four main areas of AIDS research will be considered: social science, clinical, epidemiology and basic science. Projects in any of these areas must meet the criteria listed above and must be completed within a three-year time frame. Submission is by letter of intent. Deadline is December 1.

**PHYSICAL SCIENCES & ENGINEERING IMPERIAL OIL**  
*Research is supported at Canadian universities in areas of interest to Imperial Oil's petroleum, petrochemical and energy resource development businesses. Grants are made to full-time faculty members for specific research projects carried out by university students under their direction. Individual grants are awarded in units up to a maximum of \$10,000 and may be renewed. Deadline is December 1.*

**NATURAL SCIENCES & ENGINEERING RESEARCH COUNCIL**  
*Agriculture Canada/NSERC research partnership support program: Agriculture Canada and NSERC will each provide funding at a level which may not exceed the industrial cash contribution, to a maximum of \$50,000 each per year. The main purpose of the program is to support graduate students and post-doctoral fellows working on projects that address the following priority research areas: global competitiveness; environmental sustainability; and social responsibility. Further details are available at UTRS. Deadline for receipt of applications at NSERC is December 1.*  
*CANADA international fellowships: All departmental nominations must be received at UTRS no later than November 22.*  
*Canadian Forest Service/NSERC research partnership program: The main purpose of this program is to support graduate students and post-doctoral fellows working in disciplines and on projects consistent with the priority research needs of Canadian forestry. Research*

priorities include: forest management systems; forest product development; biotechnology; improved pest management techniques; and atmospheric change. For 1994-95 grants, the original application (Form 114) plus 15 copies must be submitted no later than December 1.

**ONTARIO HERITAGE FOUNDATION**  
*The Niagara Escarpment grant program objectives are: to support successful implementation of the Niagara Escarpment Plan; to promote and support protection and wise stewardship of significant natural and cultural heritage properties and features on the Niagara Escarpment; and to increase public awareness and appreciation of the special significance and value of the Niagara Escarpment. Application forms and further details are available at UTRS. Deadline is December 1.*

**UPCOMING DEADLINES**  
**Agriculture Canada/NSERC** — fellowships: *December 1.*  
**American Health Assistance Foundation** — research grants: *November 30.*  
**American Paralysis Association** — research and conferences and lecture grants, clinical trials: *December 15.*  
**Arthritis Society** — clinical fellowships, research fellows and Ogrzylo fellows: *November 15;* rheumatic disease unit: *December 1;* clinical assistants, research scholars, research scientists: *December 15.*  
**Association for Canadian Studies** — Canadian studies writing awards: *November 15;* intercultural/interregional exchange program: *December 15.*  
**Baxter Healthcare** — renal division research grants: *November 5.*  
**Calgary Institute for the Humanities** — senior (post-retirement) research fellowships: *November 30.*  
**Canadian Diabetes Association** — scholarships (faculty appointment), fellowships: *December 1.*  
**Canadian Forest Service/NSERC** — fellowships: *December 1.*  
**Canadian Psychiatric Research Foundation** — research grants, fellowships: *November 19.*  
**Environment Canada/NSERC** — Great Lakes University Research Fund: *November 12* (please note change).  
**Epilepsy Canada** — Parke Davis Canada research fellowships: *December 1.*  
**Heart & Stroke Foundation of Canada** — junior personnel awards, research fellowships, medical scientist traineeships, nursing research fellowships: *November 15.*  
**Imperial Oil** — research grants: *December 1.*  
**Institute for Chemical Science & Technology** — research proposals: *December 1.*

**International Union Against Cancer** — international oncology nursing fellowships: *November 15.*

**Japan Foundation** — fellowships, institutional support for Japanese studies, library support, study-in-Japan grants, salary assistance for full-time Japanese language teachers, training for teachers of the Japanese language, Japanese language study for librarians, Japanese language teaching materials donation, assistance for development of Japanese language teaching resources: *December 1.*

**MRC** — centennial fellowships (new and extension), fellowships (new and renewal); university/industry program industrial fellowships (new and renewal), Arthritis Society/MRC fellowships, Canadian Hypertension Society/MRC fellowships, Canadian Lung/MRC fellowships, Glaxo Canada/MRC fellowships, Unisource Canada/Alzheimer Society fellowships, Zeneca Pharma/U of T fellowships: *November 15;* studentships (new), travel (letter of intent), NIH international research fellowship (pte-application); university/industry program industrial studentships (new and renewal), Ciba-Geigy/MRC studentships, Arthritis Society/MRC studentships: *December 1.*

**Merck/SER** — clinical epidemiology fellowships (stage 1): *November 30.*

**NSERC** — Canada international fellowships (UTRS deadline for departmental nominations): *November 22.*

**Ontario Heritage Foundation** — Niagara Escarpment grant program: *December 1.*

**Ontario Lupus Association** — Geoff Carr lupus fellowships: *November 15.*

**Ontario Mental Health Foundation** — senior research, new faculty research, travelling and research training/post-doctoral fellowships: *November 26.*

**Ontario Ministry of Health** — Nov. 1, 1993 health care systems research grants competition: cancelled; career scientists (open competition): *November 15.*

**Physicians Services Foundation Inc.** — research grants: *December 13.*

**Royal Society of Canada** — nomination of fellows to the Academy of Humanities & Social Sciences: *November 15.*

**Damon Runyon/Walter Winchell Cancer Research Fund** — fellowships: *December 15.*

**SSHRC** — doctoral fellowships (agency deadline): *November 20;* NSERC/SSHRC master's scholarships in science policy: *December 1.*

**U of T/Life Sciences Committee** — Dales award for medical research (nominations): *November 30.*

**Trillium/Heart & Stroke Foundation of Ontario** — fellowships in stroke research: *November 15;* traineeships in stroke research: *any time.*

**Whitehall Foundation** — research grants: *December 1.*

## COMMITTEES

### REVIEW

**FACULTY OF NURSING**  
*Provost Adel Sedra has a established a committee to review the Faculty of Nursing.*

**Terms of reference**  
The terms of reference of the committee are as follows:

1. the mission, goals and objectives of the faculty in relation to the University's Statement of Institutional Purpose and the success of the faculty in meeting its goals and objectives;
2. the strengths and weaknesses of the faculty's academic programs, administrative structures and support systems including the use of computer technology;
3. the range and size of the academic programs in relation to the current and projects human, financial and physical resources of the faculty;

4. the nature and extent of long-range planning and the mechanisms available for consultation within the faculty;
5. the degree of interaction with other units of the University both inside and outside the health sciences;
6. the extent to which the faculty and its graduates fulfil public expectations and meet societal needs; and
7. any other matters that are presented to the committee.

#### Membership

Dr. A. Richard Ten Cate, vice-provost, health sciences (chair); Professors Jane Graydon and Anne Moorhouse, Faculty of Nursing; Johan Hellebust, associate dean, Division IV, School of Graduate Studies; Kenneth Shumak, associate dean, undergraduate medical education, Faculty of Medicine; Harvey Skinner, Department of Community Health; and Suzanne Williams, dean of nursing, Ryerson Polytechnical University; and

Janet Bead, director of nursing, Princess Margaret Hospital; Sherry Biscope and Georgina Veldhorst, undergraduate students, Faculty of Nursing; Betty John, administrative assistant, and Pamela Khan, senior tutor, Faculty of Nursing; Margaret Risk, executive director, College of Nurses of Ontario; and Donna Crossan, assistant vice-provost, health sciences (secretary).

The committee invites submissions from members of the University community and other interested parties. These should be sent to Donna Crossan, room 222, Simcoe Hall, by November 30.

### SEARCH

**CHAIR, DEPARTMENT OF MICROBIOLOGY**

*A search committee has been established to recommend a chair of the Department of Microbiology. Members are:*

Professor Cecil Yip, vice-dean, research, Faculty of Medicine (chair); Professors Johan Hellebust, associate dean, Division IV, School of Graduate Studies; Martha Brown, V.L. Chan, Mohamed Karmali and Anne Phillips, Department of Microbiology; Michael Julius, chair, Department of Immunology; Robert Phillips, Department of Medical Biophysics; and Eliot Phillipson, chair, Department of Medicine; and Linda Facchini, graduate student, Department of Microbiology.

The committee would welcome any comments or suggestions regarding this appointment. These should be communicated, preferably in writing, to Professor Cecil Yip, 2109 Medical Sciences Building.

**CHAIR, DEPARTMENT OF PHYSICAL THERAPY**

*A search committee has been established*

*to recommend a chair of the Department of Physical Therapy. Members are: Professor Ken Shumak, associate dean, undergraduate medical education, Faculty of Medicine (chair); Professors Johan Hellebust, associate dean, Division IV, School of Graduate Studies; Victor Marshall, Department of Behavioural Science; Anna Peruzzi, Scott Thomas and Karen Hoshida, Department of Physical Therapy; and Mladen Vranic, chair, Department of Physiology; and Diane Gasner, Chantel Graveline and Signe Holstein, Department of Physical Therapy; and Susan Cluff and Pam Madam, students, Department of Physical Therapy.*

The committee would welcome any comments or suggestions regarding this appointment. These should be communicated, preferably in writing, to Professor Ken Shumak, 2109 Medical Sciences Building.



## PHD ORALS

Graduate faculty please call the PhD oral examination office at 978-5258 for information regarding time and location for these listings.

### TUESDAY, NOVEMBER 2

Jocelyn Ann Holash, Department of Anatomy & Cell Biology, "The Role of Astrocytes in the Induction and Maintenance of Blood-Brain Barrier Characteristics." Prof. P.A. Stewart.

### WEDNESDAY, NOVEMBER 3

Joonsoo Kang, Department of Molecular & Medical Genetics, "Analysis of T Cell Receptor-Antigen Interaction Using Retrovirus-Mediated Gene Transfer." Prof. N. Hozumi.

### THURSDAY, NOVEMBER 4

Michael Idomir Allen, Centre for Medieval Studies, "History in the Carolingian Renewal: Frechulf of Lisieux (fl.830), His Work and Influence." Prof. W.A. Goffart.

David Joseph Kelvin, Department of Anatomy & Cell Biology, "Growth Factors, Signalling Pathways and the Control of Muscle Cell Proliferation and Differentiation." Prof. D. van der Kooy.

### FRIDAY, NOVEMBER 5

Claire Schaffnit, Department of Chemical Engineering & Applied Chemistry, "Statistical Geometry of Paper Modelling Fibre Orientation and Flocculation." Prof. C.T.J. Dodson.

David Benjamin Tindall, Department of Sociology, "Collective Action in the Rainforest: Personal Networks, Collective Identity and Participation in the Vancouver Island Wilderness Preservation Movement." Prof. B.H. Erickson.

### TUESDAY, NOVEMBER 9

Peter Williamson Krieger, Department of Physics, "Observations of D<sub>1</sub><sup>0</sup> Production in B Meson Decays." Prof. J.D. Prentice.

Michiel van de Panne, Department of Electrical & Computer Engineering, "Control Techniques for Physically Based Animation." Profs. Z.G. Vranesic and E.L. Fiume.

### WEDNESDAY, NOVEMBER 10

Aminmohamed Rahemtulla, Department of Medical Biophysics, "Targeted Description of the CD4 Gene to Study the Role of CD-4 in T Cell Development." Prof. T.W. Mak.

### THURSDAY, NOVEMBER 11

Karen Maria Arthur, Department of English, "Speculum Mortis: Reflections of Chivalry and Courtly Society in the Age of Chaucer." Prof. J.F. Leyerle.

Hong Xue, Institute of Medical

Science, "Interactions between Bacillus Subtilis tRNA and Tryptophanyl-tRNA Synthetase." Prof. J.T. Wong.

### FRIDAY, NOVEMBER 12

Chun-Chong Huang, Department of Electrical & Computer Engineering, "Dynamic Resource Control of ATM Statistical Multiplexer to Support Real-time and Non-real-time Traffic." Profs. R.H. Kwong and A. Leon-Garcia.

Ellen R. Vriezen, Department of Psychology, "Priming Effects in Semantic Classification Tasks." Prof. M. Moscovitch.

### MONDAY, NOVEMBER 15

James Ian Marc Turner, Department of Library & Information Science, "Determining the Subject Content of Still and Moving Image Documents for Storage and Retrieval: An Experimental Investigation." Prof. N.J. Williamson.

### TUESDAY, NOVEMBER 16

Donald Paul Dedrick, Department of Philosophy, "Colour Language Cultures, and Colour Science." Prof. I. Hacking.

### WEDNESDAY, NOVEMBER 17

Peter Anthony Konecny, Department of History, "Conflict

and Community at Leningrad State University, 1917-1941." Prof. L. Viola.

Jilin Yang, Department of Nutritional Sciences, "Zinc Deficiency in the Pregnant Rat Affects Maternal and Fetal Metabolism of Polyunsaturated Fatty Acids." Prof. S.C. Cunnane.

### THURSDAY, NOVEMBER 18

Michael Charles Birmingham, Faculty of Social Work, "The Political Ideology of Social Work in Ontario." Prof. S. Neysmith.

Patricia Alexandra Clare Glazebrook, Department of Philosophy, "Heidegger's Philosophy of Science." Prof. G. Nicholson.

James Wong, Department of Philosophy, "On the Very Idea of the Normal Child." Prof. I. Hacking.

### FRIDAY, NOVEMBER 19

Wendy Elizabeth Ruemper, Department of Sociology, "Formal and Informal Social Control of Incarcerated Women in Ontario, 1857-1931." Prof. R. Gartner.

Peter Hubert Thurlow, Department of Economics, "Essays on the Macroeconomic Implications of Inventory Behaviour." Prof. A. Melino.

## COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees. The deadline for submissions is Monday, two weeks prior to publication.

### ADVISORY

VICE-PRESIDENT (DEVELOPMENT AND UNIVERSITY RELATIONS)  
President Robert Prichard has established an advisory committee to assist him in the search for the next vice-president (development and university relations). Members are: Richard Alway, president, St. Michael's College; Professor Hugh Arnold, dean, Faculty of Management; Holly Benson, director, Campus Development & Public Affairs, Erindale College; Margo Coleman, alumni governor and chair, University Affairs Board; Barbara Dick, manager, alumni affairs, Division of Development & University Relations; Professor Lynd Ferguson, principal, University College; Robert McGavin, senior vice-president, public affairs and development, Toronto Dominion Bank; Ronald Osborne, president and chief executive officer, Maclean Hunter Ltd; and Rose Wolfe, chancellor, University of Toronto.  
The committee would welcome nominations and submissions concerning the role of the vice-president or identifying qualities that should be considered in the selection. These should be submitted to J.G. Dimond, secretary, Governing Council, room 106, Simcoe Hall, by November 30.

WIEGAND FOUNDATION LECTURE SERIES

# Ethics, Biology AND Change

**Marriage of the Celibate Professions:  
Medicine, Ethics and Law**  
Margaret Somerville  
Director of the McGill Centre for  
Medicine, Ethics and Law

Thursday, November 11, 1993  
at 8 pm

Medical Sciences Auditorium  
1 King's College Circle

**The Anxiety of Change:  
Who We Are, or Might Be**  
Christie McDonald  
University of Montreal

Thursday, November 18, 1993  
at 8 pm

Medical Sciences Auditorium  
1 King's College Circle

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The Wiegand Foundation Lecture Series is offered by the Faculty of Arts and Science, University of Toronto



Faculty of Law  
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1993 CECIL A. WRIGHT  
MEMORIAL LECTURE

## "New Zealand's Accident Compensation Scheme: Twenty Years On"

Rt. Hon. Professor Sir Geoffrey Palmer  
Professor of Law, Victoria University of Wellington,  
and University of Iowa  
Formerly Minister of Justice and  
Prime Minister of New Zealand

Thursday, November 4, 1993  
4:10 p.m., Bennett Lecture Hall, Flavelle House,  
78 Queen's Park

Reception to follow in the Lower Rotunda

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## SIMMERING

*Cultural confusion and inner turmoil are at the root of substance abuse on northern reserves*

BY TOMSON HIGHWAY

On Oct. 19 aboriginal playwright Tomson Highway spoke to participants in the fourth annual native health lecture series at the Medical Sciences Building. This year's theme is substance abuse and Davis Inlet — the Labrador community where the glue-sniffing of disenchanted youth captured the world's headlines a couple of years ago. The following is from a transcript of Highway's speech:

I COME FROM A RESERVE IN BROCHET, northern Manitoba, one of the most isolated and remote in this country. Brochet is about 1,200 kilometres north of Winnipeg. White people arrived in that part of the world only in the last 100 years or so; our contact with white people is so recent that my parents and my older brothers and sisters don't speak a word of English to this day. And the younger of the 12 kids in my family only became fluent in the language when we were 16 or 17 years old.

Brochet today is not a lot better than Davis Inlet and other reserves you read about in the paper. Davis Inlet is only the tip of the iceberg. I come from a Davis Inlet myself, from the heart and soul of that kind of community.

There have been people living in our part of the world for 15,000 or 20,000 years. That's a long time. We had our own system of thinking and relating to the environment and the earth. It worked, we were OK, we had a strong sense of purpose and that worked until 1860 when the first missionaries arrived in my part of the world. With them came the English and the French languages.

I WANT TO TALK ABOUT MYTHOLOGY AND LANGUAGE. TO ME the terms mythology and theology are interchangeable. Basically they define the dream world of a people, their subconscious lives, that part of their consciousness that relates in an instinctual way to the great magic in the sky, to God, or whatever you want to call it — the essential reason why we exist on the face of this planet. Our system had heroes and anti-heroes that gave expression to all our emotions — fear, love, lust, hate and every other conceivable emotion that the human heart is capable of. We had stories that defined these things for us and certainly, above all, defined what the exact nature of our relationship to the great spirit was, and the reason for existence on the planet earth. This system had very much to do with a central hero figure who serves as the link between the great spirit and the people. From what I understand you'll find figures like that in most of the world's religions. Usually it is half human and half god. In our mythology or dream world it was a figure called the Trickster.

Our system was in place in 1860 when the missionaries came and told us we were worshipping pagan figures. They said those figures would lead us down to the depths of hell, that we were wrong in doing this. These people would come over from Europe and say that their system was better, that we were not to communicate any more with the pagan spirit, that we had to communicate with this other half-man, half-god figure, a gentleman by the name of Jesus Christ. There are all kinds of religions all over the world and I respect that every one has a right to exist. What is wrong is when one of them superimposes itself on another and pronounces itself to be better. So this other hero figure tried to find its way into our imaginations and to a certain extent it was successful. Depending on who you were and what kind of family structure you lived in, this hero figure was able to locate itself in our dream world, if only to a limited extent.

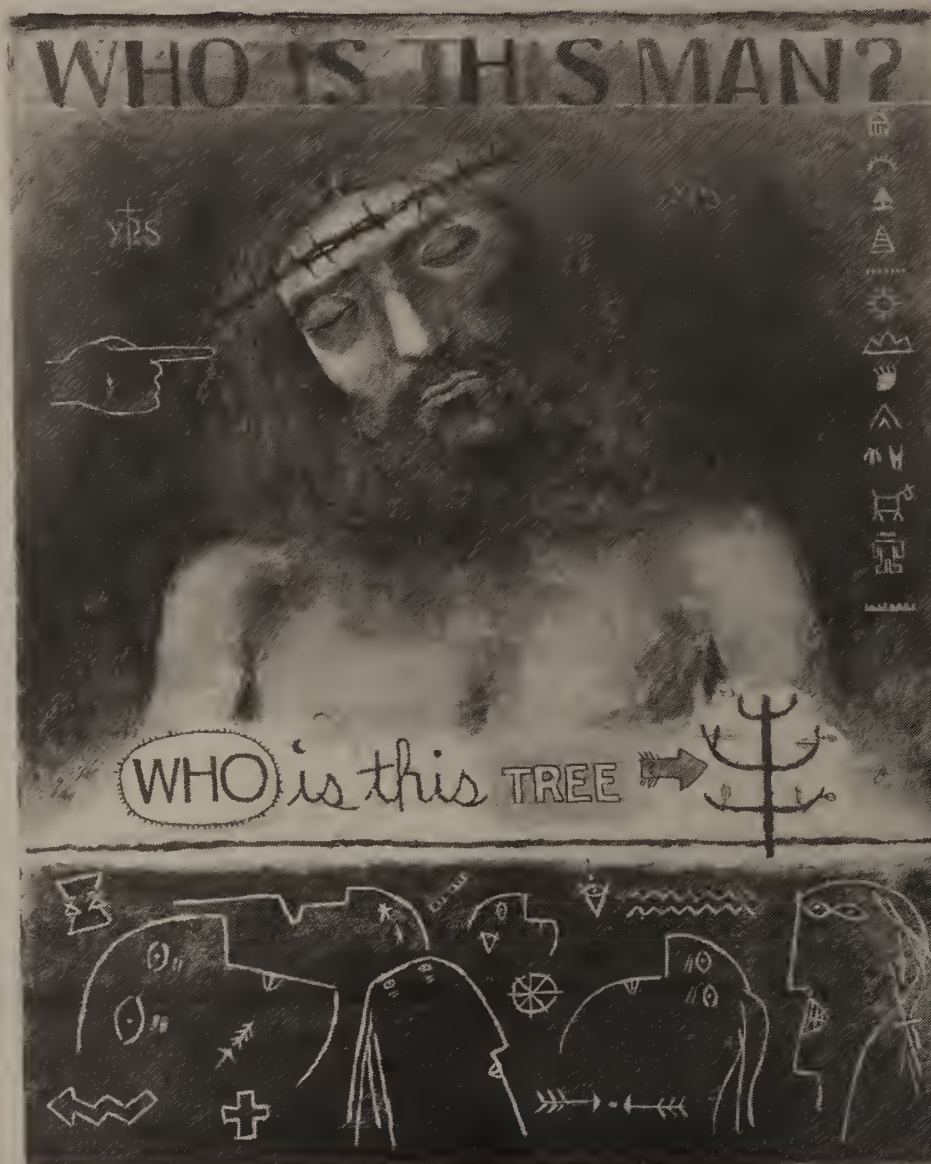
Although we're living in a social system where elders are supposed to be respected, people of my age (I'm 41) are finding ourselves looking at our parents' generation, seeing it as one that

fully and totally adopted the new hero figure. There are still elders living who have given us permission to say that my parents' generation — as much as my father and mother would hate me to say it — was brainwashed, total and outright. Of course, saying that means we're rebelling against our elders. But that's the way it is....



### WE GREW UP ASSUMING OUR "PAGAN PAST" WAS EVIL

WITH THE ARRIVAL OF THE SETTLERS, OUR HERO FIGURES had to co-exist inside our heads with theirs. This created difficulties. First of all the hero from the other side of the great water was a man, not a woman. This told us in a theoretical sense that God was a male, not a female. Their system with only one god, a male god, also told us that everything else on earth was secondary to that one supreme being. The hierarchy consisted of the male first, then the female, followed by everything else in creation, the trees, the rocks and so on.



In our Cree mythology the hero is neither exclusively male nor exclusively female, because there is no gender in the Cree language or the Ojibwa language or any of the other aboriginal languages, so far as I know. This leaves us with a god that is both female and male, to the extent I assume we human beings all are. Nobody is left out in the cold. There is no hierarchy. But did the system the missionaries brought along allow a man to dominate a woman and give both of them the right to dominate and exploit the rest of creation?

OUR SYSTEM DISTINGUISHES BETWEEN what is animate, on the one hand, and inanimate, on the other. It says that what is animate has a living breathing soul and what is inanimate has none. Accordingly a man, a woman, a tree, a god, a horse and even a rock have a living, breathing soul and will therefore relate to each other and communicate with each other, theoretically speaking. The Cree language, its nouns, verbs, pronouns, adverbs, adjectives and so on, is structured to express that concept. You say "who is this man?" and "who is this tree?" In the case of the tree you don't ask "what is this?" But when your language removes the animate self from the man, the woman, the dog, the tree or the rock, you turn them into something that doesn't have a living breathing soul. The other essential concept is that our hero figure was never put on a pedestal, was never crucified and therefore we have absolutely no reason to feel guilty; we've been put on the planet earth to have one hell of a good time. The

other god introduced to us was indeed put on a pedestal, was crucified and gave us everything in the world to feel guilty about and to suffer for. The reason for existence, we were told, is to suffer as much as possible.

This is the area that needs attention in order to fix problems such as those occurring in Davis Inlet. We, who grew up with this kind of confusion in our heads and managed to survive without killing ourselves, we have had to live with this kind of institutionalized lying perpetuated by the highly educated, highly irresponsible and highly powerful priests who came to us. We grew up always assuming that our "pagan past" was evil, the work of the devil. When you brainwash children to that extent, of course some of it sticks. But our children were incapable of absorbing all of that learning. After all, they were carrying 20,000 years of emotional and spiritual baggage and you can't get rid of that in a kid — there are too many generations in there, it's too crowded, too potent. So what happened was that the old system stayed, went underground, psychologically, emotionally and spiritually, and it simmered there and has been simmering for a long time. Some of us it has killed but it won't kill us all.

What the missionaries were doing was like trying to fit a square peg into a round hole. It's impossible. If you persist, you're going to screw up people and they end up sniffing gasoline and taking all kinds of garbage down their noses and throats. It's a reaction to a fundamental, institutionalized, legalized dishonesty of a monumental scale. I think it's a story that should be told over and over and over again because the lie is so enormous.

I feel really uncomfortable speaking in front of people working in the health field and when I thought about this event I didn't know what to say. But artists are here for a purpose and we deal — medically in a sense — with the human brain and the human heart. We try our best to heal wounds and we are dealing here with one that was inflicted over the course of one or two or three generations. I hope you wish us well.

Tomson Highway is writer-in-residence at U of T.